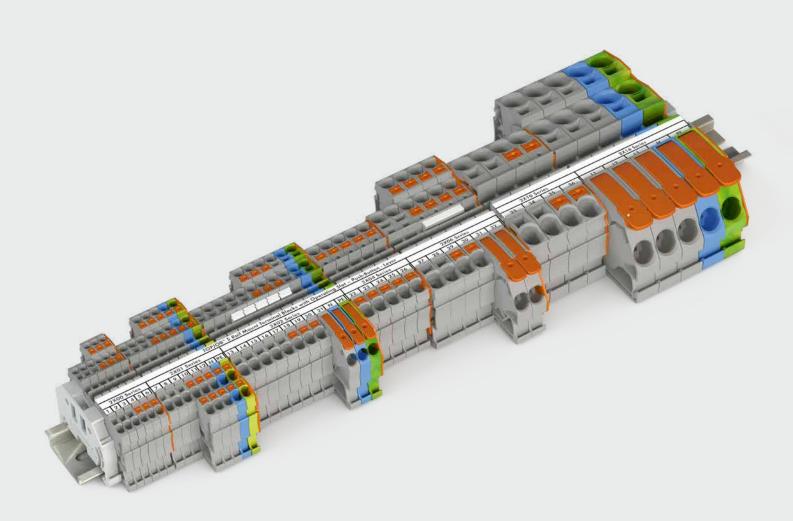


# **TOPJOB® S Rail-Mount Terminal Block Systems**

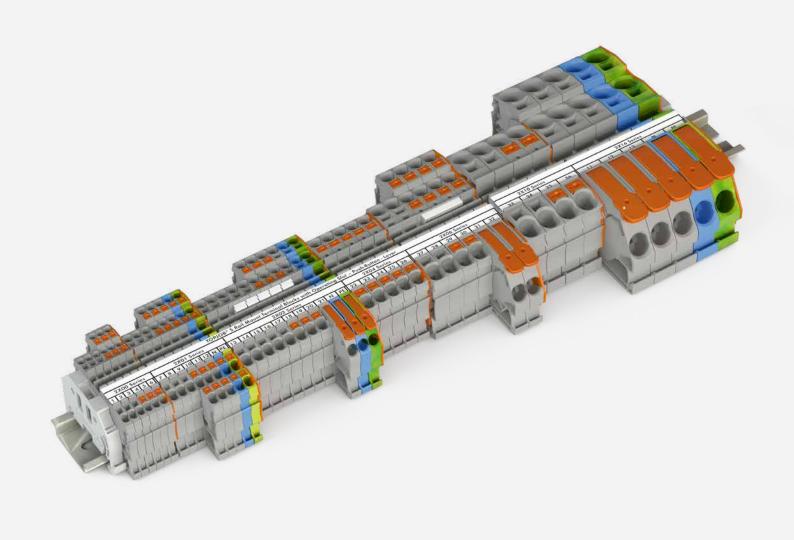
Edition 2024



# WAGO Rail-Mount Terminal Blocks TOPJOB® S

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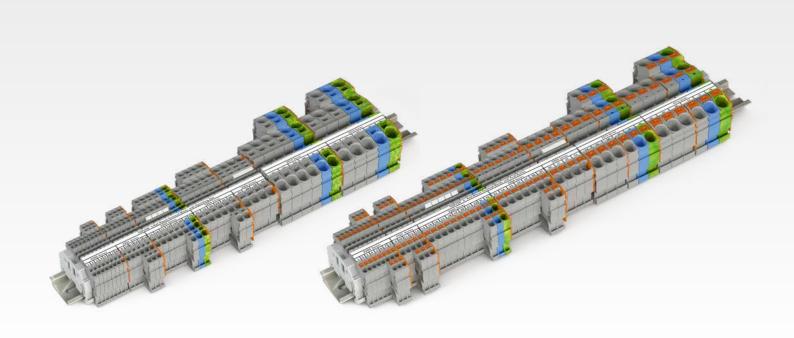
# WAGO Rail-Mount Terminal Blocks TOPJOB® S

# WAGO Rail-Mount Terminal Blocks TOPJOB® S

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# **Actuation Variants**



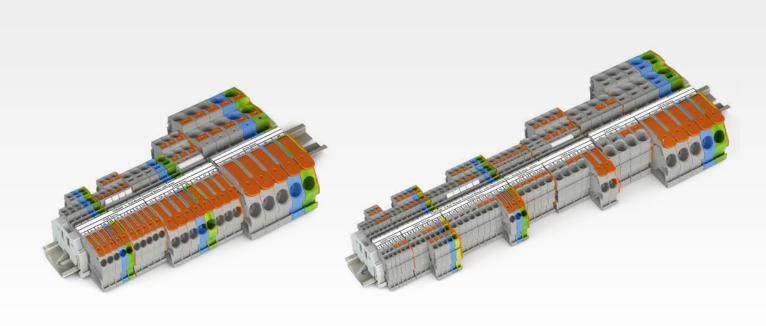
# **Operating Slot**

- The operating tool remains in the operating slot until termination is complete
- The clamping unit is marked by the inserted operating tool
- The conductor entry is held open for handsfree wiring

### **Push-Button**

- Use any common tool to open the clamping unit via the push-button
- Intuitive operation orange color highlights the push-button





### Lever

- Simple and intuitive termination by hand
- Tool-free termination and removal of all conductor types
- The lever engages and keeps the clamping point open, freeing hands for wiring
- Lever position clearly indicates if the clamping point is open or closed
- Easy connection of difficult-to-bend conductors via side-entry conductor insertion

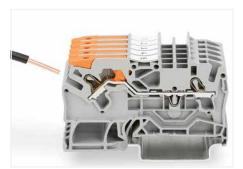
# One Range

- All three actuation variants can be combined with each other
- Push-in termination of solid, stranded and ferruled conductors for all variants
- Marking strips and WMB markers provide continuous marking possibilities
- One existing range of jumpers for all three variants
- Test options for all variants



# Rail-Mount Terminal Blocks TOPJOB® S; with Levers and Push-in CAGE CLAMP® 2102 to 2116 Series

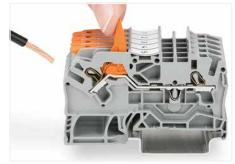
### **Description and Installation**



Push-in termination of solid conductors



Push-in termination of fine-stranded conductors with ferrules



Pull the lever up until it stops, then connect the finestranded conductor.

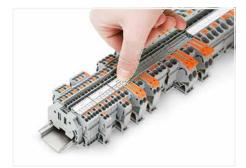


Push the lever back down - done!



Insert push-in type jumper bar and push down until it hits backstop. \\ \\





Snapping a marking strip into the marker slot.



Snapping a marking strip into the marker slot.



Testing with a 2 mm  $\emptyset$  test plug (max. 42 V).



Push-in CAGE CLAMP® terminates the following copper conductors: solid "s"



stranded "st"



fine-stranded "f-st", also with tinned single strands

# Rail-Mount Terminal Blocks TOPJOB® S; with Push-Buttons and Push-in CAGE CLAMP® 2200 to 2216 Series

# Description and Installation



Push-in termination of solid and ferruled conductors



Insert fine-stranded conductors via operating tool.



Removing all conductors via operating tool.

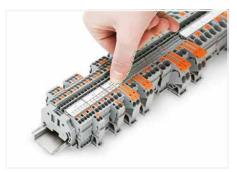




Insert push-in type jumper bar and push down until it hits backstop. \\\\



Commoning with step-down jumpers.



Snapping a marking strip into the marker slot.



Snapping a marking strip into the marker slot.



Testing with a 2 mm Ø test plug (max. 42 V).



fine-stranded, tip-bonded



fine-stranded, with ferrule (gastight crimped)



fine-stranded, with pin terminal (gastight crimped)



### Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Lever and Push-in CAGE CLAMP®

2.5 (4) mm<sup>2</sup>; 2102 Series

Technical Data	
	22 12 AWG
	600 V, 20 A <b>RL</b>
I <sub>N</sub> 24 A (32 A)	600 V, 20 A@
Terminal block width: 5.2 mm	ı / 0.205 inch
10 12 mm / 0.39	0.47 inch

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 600 V, 20 A 🗫 800 V / 8 kV / 3 2 I<sub>N</sub> 24 A (30 A) 600 V, 20 A@ Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch





# 2-conductor through terminal block; with lever and

Color	Item No.	Pack. Unit
gray      ⊕	2102-1201 4	50
oblue 😉	2102-1204 3 4	50

of =	
4	→ 30,6 mm/1.2 in ► 72,2 mm/2.84 in —

#### 3-conductor through terminal block; with lever and Push-in CAGE CLAMP®

Color	Item No.	Pack. Unit
○ gray ⑤	2102-1301 4	50
■ blue ⑤	2102-1304 3 4	50

#### 2-conductor ground terminal block; with lever and Push-in CAGE CLAMP® green-yellow 2102-1207 4

sories; item-specific				
nd inte	rmediate plate	; 0.8 mm thick		
	orange	2102-1292	100 (25)	
	gray	2102-1291	100 (25)	

3-conductor ground terminal block; with lever and Push-in CAGE CLAMP®		
green-yellow &	2102-1307 4	50

Accessories; item-specific				
End and interr	mediate plate; 0.	8 mm thick		
	orange	2102-1392	100 (25)	
	gray	2102-1391	100 (25)	

#### Accessories; 2102 Series

End ar

Push-in CAGE CLAMP®

Appropriate marking systems: WMB/WMB Inline/Marking strips

Insulation st	op; 5 pcs/strip;	0.25 0.5 mm	l <sup>2</sup>
mm	light gray	2002-171	200 (25)

1110				
Insulation sto	p; 5 pcs/strip;	0.75 1 mm²		
00000	dark gray	2002-172	200 (25)	

Push-in type	jumper bar; i	nsulated; I <sub>N</sub> 25 A;	light gray
-	1 to 3	2002-433	25
	1 to 4	2002-434	25
1	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 7	2002-437	25
	1 to 8	2002-438	25
	1 to 9	2002-439	25
	1 to 10	2002-440	25
Continuous jumper; insulated; I <sub>N</sub> 25 A, light gray			

#### Protective warning marker; with black high-voltage symbol; for 5 terminal blocks yellow 2002-115 100 (25)

	2-way	2002-400	25	
Continuous	jumper; insul	lated; I <sub>N</sub> 25 A; light	gray	
	1 to 3	2002-423	25	
	1 to 4	2002-424	25	

Push-in type jumper bar; insulated; I <sub>N</sub> 25 A; light gray				
	2-way	2002-402	25	
THE	3-way	2002-403	25	
Lice	4-way	2002-404	25	
	5-way	2002-405	25	
	6-way	2002-406	25	
	7-way	2002-407	25	
	8-way	2002-408	25	
	9-way	2002-409	25	
	10-way	2002-410	25	
Delta jumper; insulated; I <sub>N</sub> = I <sub>N</sub> terminal block; light gray				

Continuous	jumper; insula	ated; I <sub>N</sub> 25 A, light	t gray	
	3-way	2002-413	25	
0.0	5-way	2002-415	25	
7.47				
			•	

Delta jumper; insulated; I <sub>N</sub> = I <sub>N</sub> terminal block; light gray				
TITI	1-2 3-4 5-6	2002-406/020-000	25	

Star point jumper; insulated;  $I_N = I_N$  terminal block; light

Push-in type wire jumper; insulated;	1.5 mm²	conductor
cross-section; I <sub>N</sub> 18 A		

	L = 60 mm	2009-412	100 (10)
	L = 110 mm	2009-414	100 (10)
4	L = 250 mm	2009-416	100 (10)

Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree

Terminal blocks with a blue insulated housing are suitable for Ex i applications.

4 Terminal blocks with an Ex mark are suitable for Ex e II 550 V; 23.5 A 20 A jumper

Please observe the application notes: Jumpers, from page 182 Testing accessories, from page 177 Marking, from page 322

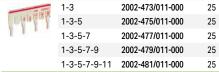
Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2102 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Staggered jun	nper; insulated; l	N 25 A; light gr	ay
CONT.	2-way	2002-472	25
E C	3-way	2002-473	25
11	4-way	2002-474	25
	5-way	2002-475	25
	6-way	2002-476	25
	7-way	2002-477	25
	8-way	2002-478	25
	9-way	2002-479	25
	10-way	2002-480	25
	11-way	2002-481	25
	12-way	2002-482	25

Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing;  $I_{\text{\tiny N}}$  25 A;



Modular connector; snaps together; for jumper contact

SIUL					
The same	gray	2002-511	100 (25)		

L-type test plug module; snaps together					
1	gray	2002-611	100 (25)		
7					

Marking strip	; plain; 11	mm wide; 50 m reel		
0	white	2009-110	1	
900				

WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 5.2 mm stretchable			
•	white	2009-115	1

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable





2002-405/011-000 1-3-5

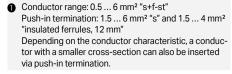


### Through and Ground Conductor Terminal Block TOPJOB® S; with Lever and Push-in CAGE CLAMP®

4 (6) mm<sup>2</sup>; 2104 Series

Technical Data		
	20 10 AWG	
	600 V, 30 A <b>RL</b>	
I <sub>N</sub> 32 A (40 A)	600 V, 30 A@	
Terminal block width: 6.2 mm / 0.244 inch		
11 13 mm / 0.43 0.51 inch		

Technical Data	
0.5 4 (6) mm <sup>2</sup>	20 10 AWG
800 V / 8 kV / 3 <b>2</b>	600 V, 30 A <b>9N</b>
I <sub>N</sub> 32 A (40 A)	600 V, 30 A®
Terminal block width: 6.2 mm	n / 0.244 inch
11 13 mm / 0 //3	0.51 inch



- 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Exiapplications.
- Terminal blocks with an Ex mark are suitable for Ex e II 550 V; 30 A

Please observe the application notes: Jumpers, from page 185 Testing accessories, from page 178 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2104 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Marking strip; plain; 11 mm wide; 50 m reel

2009-110

WMB marker card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm





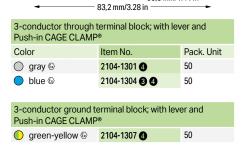


#### 2-conductor through terminal block; with lever and Push-in CAGE CLAMP® Color

COIOI	item No.	I don. Offic
○ gray ⓑ	2104-1201 4	50
oblue 😉	2104-1204 3 4	50

2-conductor ground terminal block; with lever and Push-in CAGE CLAMP®				
green-yellow 2104-1207 4 50				

Accessories; item-specific			
End and intermediate plate; 0.8 mm thick			
	orange	2104-1292	100 (25)
	gray	2104-1291	100 (25)



Accessories; item-specific

35.8 mm/1.41 in -





Accessories; 2104 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

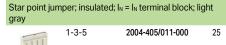
Insulation st	op; 5 pcs/strip;	0.25 0.5 mm	1 <sup>2</sup>
00000	light gray	2004-171	200 (25)

Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup> 2004-172 200 (25) dark gray

00000

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks yellow 2004-115 100 (25)





Delta jumper; insulated; I<sub>N</sub> = I<sub>N</sub> terminal block; light gray 2004-406/020-000 1-2 3-4 5-6

Modular connector; snaps together; for jumper contact

2004-511 100 (25) gray

Spacer module; snaps together; bridges commoned terminal blocks 2004-549 100 (25) Test plug adapter; for 4 mm Ø test plug; ; I<sub>N</sub> 10 A 2009-174 100 (25)

Testing tap; for max. 2.5 mm<sup>2</sup> 2009-182 100 (25)



# Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Lever and Push-in CAGE CLAMP®

6 (10) mm<sup>2</sup>; 2106 Series

Technical Data	
0.5 6 (10) mm <sup>2</sup>	20 8 AWG
	600 V, 50 A 👊
I <sub>N</sub> 41 A (55 A)	600 V, 50 A®
Terminal block width: 7.5 mm	n / 0.295 inch
■■ 13 15 mm / 0.51	0.59 inch

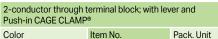
Technical Data	
0.5 6 (10) mm <sup>2</sup>	20 8 AWG
	600 V, 50 A <b>RX</b>
I <sub>N</sub> 41 A (55 A)	600 V, 50 A@
Terminal block width: 7.5 mm	n / 0.295 inch
13 15 mm / 0.51	0.50 inch

- 1 Conductor range: 0.5 ... 10 mm<sup>2</sup> "s+f-st"; Push-in termination: 2.5 ... 10 mm<sup>2</sup> "s" and 2.5 ... 6 mm² "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- 3 Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II 550 V; 41 A 33 A jumper

Please observe the application notes: Jumpers, from page 185 Testing accessories, from page 178 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com





Color	Item No.	Pack. Unit
gray      ⊕	2106-1201 4	25
oblue ©	2106-1204 3 4	25



# 3-conductor through terminal block; with lever and Push-in CAGE CLAMP $^{\! \odot}$

Color	Item No.	Pack. Unit
○ gray ⑤	2106-1301 4	25
■ blue ⑤	2106-1304 3 4	25

2-conductor ground terminal block; with lever and Push-in CAGE CLAMP® green-yellow (206-1207 4)

3-conductor ground terminal block; with lever and Push-in CAGE CLAMP® green-yellow 2106-1307 4

Accessories; item-specific				
End and inte	rmediate plat	e; 1 mm thick		
	orange	2106-1292	100 (25)	
	gray	2106-1291	100 (25)	



#### Accessories; 2106 Series

E

Appropriate marking systems: WMB/WMB Inline/Marking strips

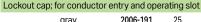
Push-in type	jumper bar	; insulated; l <sub>N</sub> 41 A; li	ght g	ıray
	2-way	2006-402	25	
YX	3-way	2006-403	25	
	4-way	2006-404	25	
	5-way	2006-405	25	
Push-in type	jumper bar	; insulated; I <sub>N</sub> 41 A; li	ght g	ıray
-	1 to 3	2006-433	25	
Y	1 to 4	2006-434	25	
1	1 to 5	2006-435	25	
Star point jun	nper; insula	ted; $I_N = I_N$ terminal b	lock	; light
gray				
TUYLY	1-3-5	2006-405/011-	000	25

ray	lest plug ada	pter; for 4	mm Ø test plug; I <sub>N</sub> 10	JA
		gray	2009-174	100 (25)
	Testing tap; f	or max. 2.5	mm²	
ray		gray	2009-182	100 (25)
	Marking strip	; plain; 11 r	mm wide; 50 m reel	
light	0.	white	2009-110	1
25				
	WMB marking	g card: whi	te: 10 strips with 10 i	markers/c

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks



5 5.2 mm stretchable		
plain	793-5501	5





Modular connector; snaps together; for jumper contact slot			
	gray	2006-511	50 (25)

Spacer module; snaps tog terminal blocks	ether; bridges c	ommoned
ara.	2000 540	EO (2E)

Conductor range: 0.5 ... 16 mm2 "s+f-st"

"insulated ferrules, 18 mm"

suitable for Exiapplications.

Marking, from page 322

visit www.wago.com

Please observe the application notes: Jumpers, from page 185 Testing accessories, from page 178

Approvals and corresponding ratings,

via push-in termination.

2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree

> 550 V; 57 A 50 A jumper

Push-in termination: 4 ... 16 mm<sup>2</sup> "s" and 4 ... 10 mm<sup>2</sup>

Depending on the conductor characteristic, a conduc-

tor with a smaller cross section can also be inserted

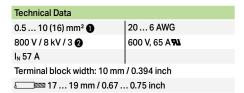
Terminal blocks with a blue insulated housing are

Terminal blocks with an Ex mark are suitable for Ex e II

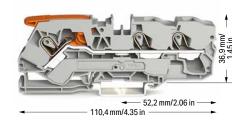
#### PUSH-IN CAGE CLAMP

# Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Lever and Push-in CAGE CLAMP®

10 (16) mm<sup>2</sup>; 2110 Series



**Technical Data** 0.5 ... 10 (16) mm<sup>2</sup> 20 ... 6 AWG 600 V, 65 A**N** 800 V / 8 kV / 3 2 Terminal block width: 10 mm / 0.394 inch ⊒≥ 17 ... 19 mm / 0.67 ... 0.75 inch



# 2-conductor through terminal block; with lever and Push-in CAGE CLAMP®

30,8 mm/1.21 in►

Color	Item No.	Pack. Unit
○ gray ⑤	2110-1201 4	25
■ blue   □	2110-1204 3 4	25

3-conductor through terminal block; with lever an	d
Push-in CAGE CLAMP®	

Color	Item No.	Pack. Unit
gray 😡	2110-1301 4	25
oblue 😉	2110-1304 3 4	25

2-conductor ground terminal block; with lever and Push-in CAGE CLAMP®			
green-yellow 🛭	2110-1207 4	25	

3-conductor ground terminal block; with lever and Push-in CAGE CLAMP®		
green-yellow 🗟	2110-1307 4	25

Accessories; item-specific					
End and inter	End and intermediate plate; 1 mm thick				
	orange	2110-1292	100 (25)		
	aray	2110-1201	100 (25)		

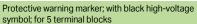


#### Accessories; 2110 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Push-in type jumper bar; insulated; I <sub>N</sub> 5 / A; light gra				ignt gray	
		2-way	2010-402	25	
	J. V. X	3-way	2010-403	25	
	11.00	4-way	2010-404	25	
		5-way	2010-405	25	
Push-in type jumper bar; insulated; I <sub>N</sub> 57 A; light gray					
V.Y	_	1 to 3	2010-433	25	
	J-18	1 to 4	2010-434	25	
	11	1 to 5	2010-435	25	
Star point jumper; insulated; $I_N$ = $I_N$ terminal block; light gray					
	TYY	1-3-5	2010-405/011	-000 2	5

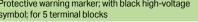
Test plug adapter; for 4 mm Ø test plug; I <sub>N</sub> 10 A			
1	gray	2009-174	100 (25)
Testing tap;	for max. 2.5 m	nm²	
	gray	2009-182	100 (25)
Marking stri	p; plain; 11 mr	m wide; 50 m reel	
0	white	2009-110	1





WMB marking card; white; 5 5.2 mm stretchable	10 strips with 1	0 markers/car	d;
plain	702 5501	_	







100 (25)

plain

Finger guard; touch-proof cover protects unused conductor entries



vellow

2010-100

100 (25)

Modular connector; snaps together; for jumper contact 2010-511



50 (25)

Spacer module; snaps together; bridges commoned



2010-549

50 (25)

W/AGO

# Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Lever and Push-in CAGE CLAMP®

16 (25 "f-st") mm2; 2116 Series

#### 

- Conductor range: 0.5 ... 16 mm² "s+f-st", 25 mm² "f-st"; Push-in termination: 6 ... 16 mm² "s" and 6 ... 16 mm² "insulated ferrules; 18 mm"

  Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 800 V = rated voltage8 kV = rated impulse voltage3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications.
  550 V; 76 A
  65 A jumper

Please observe the application notes: Jumpers, from page 185 Testing accessories, from page 179 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



2-conductor through terminal block; with lever and Push-in CAGE CLAMP®

Color	Item No.	Pack. Unit
gray      ⊕	2116-1201	20
oblue ©	2116-1204 🔞	20

2-conductor ground terminal block; with lever and Push-in CAGE CLAMP® 15 mm high DIN-35 rails shall be used for a current load higher than 76 A!

⊚ green-yellow 
 ⑤
 2116-1207

blue 

2116-1304 

203-conductor ground terminal block; with lever and

Push-in CAGE CLAMP® 15 mm high DIN-35 rails shall be used for a current load higher than 76 A!

113.5 mm/4.47 in

2116-1301

3-conductor through terminal block; with lever and

Push-in CAGE CLAMP®

gray 
 ⊕

54,3 mm/2.14 in

20

Accessories; item-specific

End and intermediate plate; 1 mm thick

orange 2116-1392 100 (25)

gray 2116-1391 100 (25)

#### Accessories; item-specific

End and intermediate plate; 1 mm thick

orange	2116-1292	100 (25)
gray	2116-1291	100 (25)

#### Accessories; 2116 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Push-in type jumper bar; insulated; I <sub>N</sub> 76 A; light gray				
	2-way	2016-402	25	
JULY	3-way	2016-403	25	
R.B.w.	4-way	2016-404	25	
	5-way	2016-405	25	
Push-in type	jumper bar	; insulated; I <sub>N</sub> 76 A; li	ight gr	ay
_	1 to 3	2016-433	25	
1	1 to 4	2016-434	25	
H. D.	1 to 5	2016-435	25	
Star point jumper; insulated; $I_N = I_N$ terminal block; light			ight	
gray				
	1-3-5	2016-405/011	-000	25

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow 2016-115 100 (25)

Three-phase set; with orange end plate; with a lever and Push-in CAGE CLAMP®

15 mm high DIN-35 rails shall be used for a current load higher than 76 A!



2116-1201/605-038

Finger guard; touch-proof cover protects unused conductor entries



yellow 2016-100 100 (25)



Spacer module; snaps together; bridges commoned terminal blocks

gray 2016-549 50 (25)

Test plug adapter; for 4 mm Ø test plug; I<sub>N</sub> 10 A gray 2009-174 100 (25)

Testing tap; for max. 2.5 mm<sup>2</sup>

gray

2009-182

100 (25)

Marking strip; plain; 11 mm wide; 50 m reel white 2009-110 1

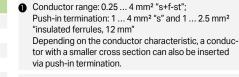
WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable plain 793-5501 5

# Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Lever and Push-Button

### 2.5 (4) mm<sup>2</sup>; 2102 Series

Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
	600 V, 20 A <b>RA</b>	
I <sub>N</sub> 24 A (32 A)	600 V, 20 A@	
Terminal block width: 5.2 mm	n / 0.205 inch	
10 12 mm / 0.39	0.47 inch	

Technical Data	
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG
	600 V, 20 A 👊
I <sub>N</sub> 24 A (30 A)	600 V, 20 A@
Terminal block width: 5.2 mn	
<b>□ □ □ □ □ □ □ □ □ □</b>	0.47 inch



- 800 V = rated voltage8 kV = rated impulse voltage3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications.
  550 V; 23.5 A
  20 A jumper

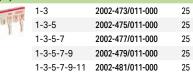
Please observe the application notes: Jumpers, from page 182 Testing accessories, from page 177 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

# Accessories; 2102 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

# Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing; $l_{\text{N}}$ 25 A; light gray



# Push-in type wire jumper; insulated; 1.5 mm $^{2}$ conductor cross-section; $I_{N}$ 18 A

	L = 60 mm	2009-412	100 (10)
	L = 110 mm	2009-414	100 (10)
4	L = 250 mm	2009-416	100 (10)

# Modular connector; snaps together; for jumper contact slot

2002-511

100 (25)



# terminal blocks gray 2002-549 100 (25)

# Test plug adapter; for 4 mm Ø test plug; ; IN 10 A gray 2009-174 100 (25)

sting tap	; for max. 2.5 m	nm²		
100	gray	2009-182	100 (25)	

#### Marking strip; plain; 11 mm wide; 50 m reel white 2009-110

Te

WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

white 2009-115 1

WMB marking card; white; 10 strips with 10 markers/card; 5... 5.2 mm stretchable plain 793-5501 5

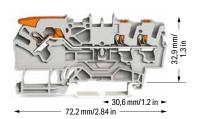


2-conductor through terminal block; with lever and push-button				
Color Item No. Pack.				
○ gray ⑤	2102-5201 4	50		

2102-5204 3 4

2-conductor ground to	erminal block; with leve	er and
push-button		
green-yellow 🗟	2102-5207 4	50

Accessories; item-specific					
End and intermediate plate; 0.8 mm thick					
	orange	2102-1292	100 (25)		
	gray	2102-1291	100 (25)		



3-conductor through terminal block; with lever and push-button				
Color	Item No.	Pack. Unit		
○ gray ⑤	2102-5301 4	50		
O blue ♥ 2102-5304 ♠ 50				

3-conductor ground terminal block; with lever and

9	50	green-yell	ow 🗟	2102-5307 4	50
		Accessories;	item-spe	ecific	
m thick		End and interr	nediate	plate; 0.8 mm thick	
2-1292	100 (25)		orange	2102-1392	100 (25)
)2-1291	100 (25)		gray	2102-1391	100 (25)

push-button

# Accessories; 2102 Series

blue 🛭

Appropriate marking systems: WMB/WMB Inline/Marking strips

Insulation stop; 5 pcs/strip; 0.25 0.5 mm²					
0000	light gray	2002-171	200 (25)		

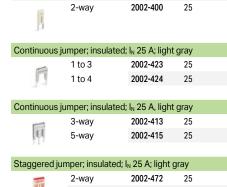
Insulation st	op; 5 pcs/strip;	0.75 1 mm²		
	dark gray	2002-172	200 (25)	

Star point jumper; insulated; $I_N = I_N$ terminal block; light gray					
THE	1-3-5	2002-405/011-000	25		
Continuous	jumper; insula	ted; I <sub>N</sub> 25 A, light gray			

Push-in type jumper bar; insulated; I <sub>N</sub> 25 A; light gray						
-	2-way	2002-402	25			
111	3-way	2002-403	25			
Lice	4-way	2002-404	25			
	5-way	2002-405	25			
	6-way	2002-406	25			

	,		
	4-way	2002-404	25
	5-way	2002-405	25
	6-way	2002-406	25
	7-way	2002-407	25
	8-way	2002-408	25
	9-way	2002-409	25
	10-way	2002-410	25
pe jumper bar; insulated; I <sub>N</sub> 25 A; light gray			

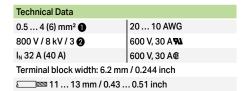
ush-in type j	umper bar; insul	ated; I <sub>N</sub> 25 A; li	ght gray	
-	1 to 3	2002-433	25	
V	1 to 4	2002-434	25	
1	1 to 5	2002-435	25	
	1 to 6	2002-436	25	
	1 to 7	2002-437	25	
	1 to 8	2002-438	25	
	1 to 9	2002-439	25	
	1 to 10	2002-440	25	
elta jumper;	insulated; $I_N = I_N$	terminal block	; light gray	
~=	1 to 7 2002-437 25 1 to 8 2002-438 25 1 to 9 2002-439 25 1 to 10 2002-440 25 per; insulated; I <sub>N</sub> = I <sub>N</sub> terminal block; light gray			



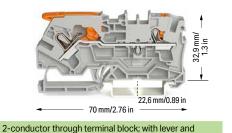
990.04 ja	990.0434				
CONT.	2-way	2002-472	25		
E C	3-way	2002-473	25		
3.1	4-way	2002-474	25		
	5-way	2002-475	25		
	6-way	2002-476	25		
	7-way	2002-477	25		
	8-way	3-way <b>2002-478</b> 25	25		
	9-way	2002-479	25		
	10-way	2002-480	25		
	11-way	2002-481	25		
	12-way	2002-482	25		

De

### Through and Ground Conductor Terminal Block TOPJOB® S; with Lever and Push-Button 4 (6) mm<sup>2</sup>; 2104 Series



**Technical Data** 0.5 ... 4 (6) mm<sup>2</sup> 20 ... 10 AWG 800 V / 8 kV / 3 2 600 V, 30 A**N** I<sub>N</sub> 32 A (40 A) 600 V, 30 A@ Terminal block width: 6.2 mm / 0.244 inch □ 11 ... 13 mm / 0.43 ... 0.51 inch



Item No.

2-conductor ground terminal block; with lever and

ogreen-yellow 2104-5207 4

End and intermediate plate; 0.8 mm thick

orange

gray

2104-5201 4

2104-5204 3 4

2104-1292

2104-1291

50

50

100 (25)

100 (25)

	<b>†</b>
	`E _
	32,9 mm/ 1.3 in
	ε 
→ 35,8 mm/1.41 in →	
◆ 83,2 mm/3.28 in →	

#### 3-conductor through terminal block; with lever and push-button Color Item No. Pack. Unit 2104-5301 4 50

3-conductor ground	terminal block; wit	n lever and			
push-button					
areen-vellow ©	2104-5307	50			

2104-5304 3 4

50

Accessories	Accessories; item-specific					
End and inter	End and intermediate plate; 0.8 mm thick					
	orange	2104-1392	100 (25)			
	gray	2104-1391	100 (25)			

1 Conductor range: 0.5 ... 6 mm<sup>2</sup> "s+f-st" Push-in termination: 1.5 ... 6 mm<sup>2</sup> "s" and 1.5 ... 4 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

- 2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II 550 V; 28 A

Please observe the application notes: Jumpers, from page 185 Testing accessories, from page 178 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2104 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Marking strip; plain; 11 mm wide; 50 m reel 2009-110

WMB marker card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm

plain 793-5501

#### Accessories; 2104 Series

Accessories; item-specific

push-button

🔵 blue 😉

Appropriate marking systems: WMB/WMB Inline/Marking strips

O blue 🛭

Insulation stop; 5 pcs/strip; 0.25 0.5 mm <sup>2</sup>						
mm	light gray	2004-171	200 (25)			
Insulation stop; 5 pcs/strip; 0.75 1 mm <sup>2</sup>						
00000	dark gray	2004-172	200 (25)			

Push-in type jumper bar; insulated; I<sub>N</sub> 32 A; light gray

2-way

3-way

4-way 5-way

6-way

7-way

8-way

9-way 10-way

1 to 3 1 to 4

1 to 5

1 to 6

1 to 7

1 to 10

Push-in type jumper bar; ins

2004-402

2004-403

2004-404

2004-405

2004-406

2004-407

2004-408 2004-409

2004-410

2004-434

2004-435

2004-436

2004-437

2004-438

2004-439

2004-440

25

25

25

25

25

25 25

25

25

25

25

25

25

25

25

25

25

ated; I<sub>N</sub> 32 A; light gray 2004-433

Star point ju gray	mper; insulate	ed; $I_N = I_N$ terminal block; li	ght
THE	1-3-5	2004-405/011-000	25
D 11 1		- I have been all failers in the face of	

THU	1-3-5	2004-405/01	<b>1-000</b> 25
Delta jumper	; insulated; I <sub>N</sub> = I <sub>N</sub>	terminal bloc	ck; light gray
THE STATE OF THE S	1-2 3-4 5-6	2004-406/02	0-000
Modular cons slot	nector; snaps to	gether; for jur	mper contact
J.	gray	2004-511	100 (25)
Spacer modu terminal bloc	ıle; snaps togetl ks	ner; bridges co	ommoned
	gray	2004-549	100 (25)
Test plug ada	pter; for 4 mm @	ð test plug; ; IN	N 10 A
1	gray	2009-174	100 (25)
Testing tap; for	or max. 2.5 mm²		
	gray	2009-182	100 (25)



# Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Lever and **Push-Button**

### 6 (10) mm<sup>2</sup>; 2106 Series

Technical Data		
	20 8 AWG	
	600 V, 50 A 🕦	
I <sub>N</sub> 41 A (55 A)	600 V, 50 A@	
Terminal block width: 7.5 mm / 0.295 inch		
13 15 mm / 0.51 0.59 inch		

Technical Data	
0.5 6 (10) mm <sup>2</sup>	20 8 AWG
800 V / 8 kV / 3 2	600 V, 50 A <b>RX</b>
I <sub>N</sub> 41 A (55 A)	600 V, 50 A®
Terminal block width: 7.5 mm	n / 0.295 inch
13 15 mm / 0.51	0.50 inch

- Conductor range: 0.5 ... 10 mm2 "s+f-st"; Push-in termination: 2.5 ... 10 mm<sup>2</sup> "s" and 2.5 ... 6 mm² "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Exiapplications.
- Terminal blocks with an Ex mark are suitable for Ex e II 550 V; 41 A 33 A jumper

Please observe the application notes: Jumpers, from page 185 Testing accessories, from page 178 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com





→ 90,8 mm/3.57 in →			
3-conductor through to push-button	erminal block; with lev	er and	
Color	Item No.	Pack. Unit	
○ gray ©	2106-5301 4	25	

2106-5304 3 4

3-conductor ground terminal block; with lever and

ogreen-yellow @ 2106-5307 4

40.8 mm/1.61 in -



2-conductor ground terminal block; with lever and



#### Accessories; 2106 Series

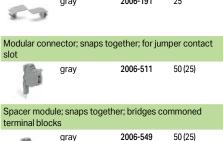
gray

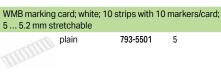
Appropriate marking systems: WMB/WMB Inline/Marking strips

blue 😉

Push-in type	e jumper bar; i	nsulated; I <sub>N</sub> 41 A;	light gra	ay
	2-way	2006-402	25	
YX	3-way	2006-403	25	
,	4-way	2006-404	25	
	5-way	2006-405	25	
Push-in type	e jumper bar; i	nsulated; $I_N$ 41 A;	light gra	ay
-	1 to 3	2006-433	25	
YY	1 to 4	2006-434	25	
1	1 to 5	2006-435	25	
Star point ju gray	mper; insulate	ed; $I_N = I_N$ terminal	block; l	ight
YLYLY	1-3-5	2006-405/01	1-000	25
Lockout cap	; for conducto	or entry and oper	ating sl	ot
	gray	2006-191	25	







# Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Lever and **Push-Button**

10 (16) mm<sup>2</sup>; 2110 Series



**Technical Data** 0.5 ... 10 (16) mm<sup>2</sup> 20 ... 6 AWG 800 V / 8 kV / 3 2 600 V, 65 A**N** Terminal block width: 10 mm / 0.394 inch

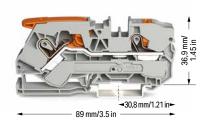
□ 17 ... 19 mm / 0.67 ... 0.75 inch

Conductor range: 0.5 ... 16 mm<sup>2</sup> "s+f-st" Push-in termination: 4 ... 16 mm<sup>2</sup> "s" and 4 ... 10 mm<sup>2</sup> "insulated ferrules, 18 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II 550 V; 57 A 50 A jumper

Please observe the application notes: Jumpers, from page 185 Testing accessories, from page 178 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



2-conductor through terminal block; with lever and push-button 

Item No.	Pack. Unit
2110-5201 4	25
2110-5204 3 4	25

O blue 🛭 2110-5304 3 4 25 3-conductor ground terminal block; with lever and Push-in CAGE CLAMP®

110,4 mm/4.35 in

Item No.

2110-5301 4

3-conductor through terminal block; with lever and

push-button

52,2 mm/2.06 in -

25

Accessories; item-specific End and intermediate plate; 1 mm thick			
	orange	2110-1392	100 (2
	gray	2110-1391	100 (2

green-yellow @ 2110-5307 @

#### 2-conductor ground terminal block; with lever and Push-in CAGE CLAMP® green-yellow 2110-5207 4



#### Accessories; 2110 Series

🔵 blue 😉

Appropriate marking systems: WMB/WMB Inline/Marking strips

Push-in type	jumper bar;	insulated; I <sub>N</sub> 57 A; light gray	
	2-way	<b>2010-402</b> 25	
J. W. X	3-way	<b>2010-403</b> 25	
II.,ii.	4-way	<b>2010-404</b> 25	
	5-way	<b>2010-405</b> 25	
Push-in type	jumper bar;	insulated; I <sub>N</sub> 57 A; light gray	
_	1 to 3	<b>2010-433</b> 25	
J. X	1 to 4	<b>2010-434</b> 25	
11.	1 to 5	<b>2010-435</b> 25	
Star point jur gray	mper; insulat	ted; $I_N = I_N$ terminal block; light	
TYY	1-3-5	<b>2010-405/011-000</b> 2	5
Finger guard	: touch-proc	of cover protects unused con-	

Test plug adapter; for 4 mm Ø test plug; I <sub>N</sub> 10 A			0 A
1	gray	2009-174	100 (25)
Testing tap; f	for max. 2.5 mm	2	
	gray	2009-182	100 (25)
Marking strip	o; plain; 11 mm v	vide; 50 m reel	
0	white	2009-110	1
WMB marking card; white; 10 strips with 10 markers/card			markers/card;

Finger guard ductor entrie		cover protects u	nused con-
	yellow	2010-100	100 (25)

WMB marking card; white; 5 5.2 mm stretchable	; 10 strips with 10	markers/card;
plain	793-5501	5

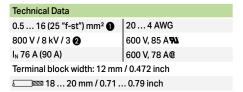


Spacer mo		gether; bridges c	ommoned
	arov	2010 540	EO (3E)

nınaı bioc	CKS		
	gray	2010-549	50 (25)

# Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Lever and **Push-Button**

16 (25 "f-st") mm2; 2116 Series



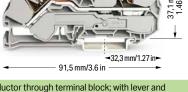
**Technical Data** 0.5 ... 16 (25 "f-st") mm<sup>2</sup> 20 ... 4 AWG 600 V, 85 A**R** 800 V / 8 kV / 3 2 I<sub>N</sub> 76 A (90 A) 600 V, 78 A@ Terminal block width: 12 mm / 0.472 inch □ 18 ... 20 mm / 0.71 ... 0.79 inch

- Conductor range: 0.5 ... 16 mm<sup>2</sup> "s+f-st", 25 mm<sup>2</sup> "f-st"; Push-in termination: 6 ... 16 mm<sup>2</sup> "s" and 6 ... 16 mm<sup>2</sup> "insulated ferrules; 18 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Exiapplications.
- Terminal blocks with an Ex mark are suitable for Ex e II 550 V; 76 A 65 A jumper

Please observe the application notes: Jumpers, from page 185 Testing accessories, from page 179 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com





37,1mm/ 1.46 in
54,3 mm/2.14 in —— 113,5 mm/4.47 in

push-button					
Color	Item No.	Pack. Unit			
○ gray ⑤	2116-5201 4	20			
oblue 😉	2116-5204 3 4	20			

3-conductor through terminal block; with lever and push-button Color Item No. 20 gray 🗟 2116-5301 4 🔵 blue 🛭 2116-5304 3 4 20

2-conductor ground terminal block; with lever and push-button 15 mm high DIN-35 rails shall be used for a current load higher than 76 A!

3-conductor ground terminal block; with lever and push-button 15 mm high DIN-35 rails shall be used for a current load higher than 76 A! 

Accessories; item-specific End and intermediate plate; 1 mm thick orange 2116-1292 100 (25) 2116-1291 100 (25) gray

Push-in type jumper bar; insulated;  $I_N$  76 A; light gray

End and intermediate plate; 1 mm thick  orange 2116-1392 100 (25)	Accessories;	item-specific		
orange 2116-1392 100 (25)	End and interr	mediate plate; 1	mm thick	
		orange	2116-1392	100 (25)
gray 2116-1391 100 (25)		gray	2116-1391	100 (25)

#### Accessories; 2116 Series

2-way

3-way

Appropriate marking systems: WMB/WMB Inline/Marking strips

The same of the	3-way	2010-403	23		
H. H. T.	4-way	2016-404	25		_
	5-way	2016-405	25		Testing tap
Push-in type j	umper bar; insul	ated; I <sub>N</sub> 76 A; li	ght gray		
	1 to 3	2016-433	25		- "
1	1 to 4	2016-434	25		
H.	1 to 5	2016-435	25		Marking st
Star point jum gray	per; insulated; l₁	ı = I <sub>N</sub> terminal b	olock; ligh	t	0
	1-3-5	2016-405/011-	-000	25	
XXX					WMB marl 5 5.2 mi
Finger guard; ductor entries	touch-proof cov	er protects ur	used con	-	
	yellow	2016-100	100 (25)		
Modular conn slot	ector; snaps tog	gether; for jum	per conta	ct	
	gray	2016-511	50 (25)		
Spacer modul terminal block	e; snaps togeth	er; bridges co	mmoned		

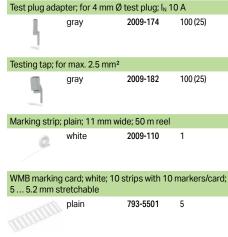
2016-549

50 (25)

2016-402

2016-403

25

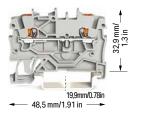


### Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Push-Button 1 (1.5) mm<sup>2</sup>; 2200 Series

**Technical Data** 0.14 ... 1 (1.5) mm<sup>2</sup> 24 ... 16 AWG 800 V / 8 kV / 3 2 600 V, 10 A 👊 I<sub>N</sub> 13.5 A (17.5 A) 600 V, 10 A@ Terminal block width: 3.5 mm / 0.138 inch 9 ... 11 mm / 0.35 ... 0.43 inch

**Technical Data** 24 ... 16 AWG 0.14 ... 1 (1.5) mm<sup>2</sup> 800 V / 8 kV / 3 2 600 V, 10 A 🕦 I<sub>N</sub> 13.5 A (17.5 A) 600 V, 10 A@ Terminal block width: 3.5 mm / 0.138 inch □ 9 ... 11 mm / 0.35 ... 0.43 inch

**Technical Data** 24 ... 16 AWG 0.14 ... 1 (1.5) mm<sup>2</sup> 800 V / 8 kV / 3 2 600 V, 10 A 90 I<sub>N</sub> 13.5 A (17.5 A) 600 V, 10 A@ Terminal block width: 3.5 mm / 0.138 inch □ 9 ... 11 mm / 0.35 ... 0.43 inch



2-conductor through terminal block; with push-button					
Color	Item No.	Pack. Unit			
○ gray ⑤	2200-1201 4	100			
oblue ©	2200-1204 3 4	100			

2-conductor ground terminal block; with push-button

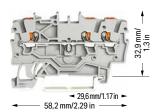
green-ye	ellow 🖾	2200-1207	100			
Accessories; item-specific						
End and intermediate plate; 0.7 mm thick						
-	orange	2000-1292	100 (25)			
	gray	2000-1291	100 (25)			

Ex e/Ex i se	parator; orange;	3 mm thick		
	90 mm	209-190	50 (25)	
	120 mm	209-191	50 (25)	
1				

Push-in type jumper bar; insulated; I<sub>N</sub> 13.5 A; light gray

2000-402

25



3-conductor through terminal block; with push-button					
Color	Pack. Unit				
○ gray ⓑ	2200-1301 4	100			
oblue 🗟	2200-1304 3 4	100			

3-conductor ground terminal block; with push-button

green-ye		100				
Accessories; item-specific						
End and intermediate plate; 0.7 mm thick						
-	orange	200	0-1392	100 (25)		
	gray	200	0-1391	100 (25)		
Ex e/Ex i separator; orange; 3 mm thick						





4-conductor through terminal block; with push-buttor				
	Color	Item No.	Pack. Unit	
	gray 🖫	2200-1401 4	100	
	oblue ©	2200-1404 3 4	100	

4-conductor ground terminal block; with push-button		
green-yellow &	2200-1407 4	100

Accessories; item-specific			
End and inter	mediate plate	e; 0.7 mm thick	
-	orange	2000-1492	100 (25)
	gray	2000-1491	100 (25)

Ex e/Ex i sep	arator; orange	; 3 mm thick		
	120 mm	209-191	50 (25)	

Accessories; 2200 Series

III

Appropriate marking systems: WMB/WMB Inline/Marking strips Push-in type wire jumper; insulated; 0.75 mm<sup>2</sup> conductor

2009-402

2009-404

2009-406

100 (10)

100 (10)

100 (10)

L = 60 mm

L = 110 mm

L = 250 mm

cross-section; I<sub>N</sub> 9 A

111	3-way	2000-403	25
1337	4-way	2000-404	25
	5-way	2000-405	25
	6-way	2000-406	25
	7-way	2000-407	25
	8-way	2000-408	25
	9-way	2000-409	25
	10-way	2000-410	25
Push-in type j	umper bar; insul	ated; I <sub>N</sub> 13.5 A	; light gray
175	1 to 3	2000-433	25
1	1 to 4	2000-434	25
A	1 to 5	2000-435	25
	1 to 6	2000-436	25
	1 to 7	2000-437	25
	1 to 8	2000-438	25
	1 to 9	2000-439	25
	1 to 10	2000-440	25
Delta jumper; insulated; I <sub>N</sub> = I <sub>N</sub> terminal block; light gray			
TITE	1-2 3-4 5-6	2000-406/020-	000 25
Star point jum	per; insulated; l <sub>1</sub>	η = I <sub>N</sub> terminal b	olock; light

1-3-5

		2009-400	100 (10)
slot	nector; snaps to	,	nper contact
P	gray	2000-511	100 (25)
Modular conr slot	nector; snaps to	gether; for jun	nper contact
Neg	gray	2000-510	100 (25)
Spacer modu terminal bloc	ıle; snaps togetl ks	ner; bridges co	ommoned
	gray	2000-549	100 (25)
Test plug ada	pter; for 4 mm @	ð test plug; ; IN	110 A
1	gray	2009-174	100 (25)
Testing tap; for	or max. 2.5 mm²		
	gray	2009-182	100 (25)





2000-405/011-000

- Conductor range: 0.14 ... 1.5 mm² "s+f-st"; Push-in termination: 0.5 ... 1.5 mm² "s" and 0.5 ... 0.75 mm² "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 800 V = rated voltage8 kV = rated impulse voltage3 = pollution degree
- **3** Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications.
  550 V; 13 A
  12 A jumper

Please observe the application notes: Jumpers, from page 182 Testing accessories, from page 176 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



### Through Terminal Block, Ground Conductor Terminal Block, Double-Potential Terminal Block TOPJOB® S; with Push-Button

1.5 (2.5) mm<sup>2</sup>; 2201 Series

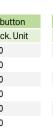
Technical Data	
0.25 1.5 (2.5) mm <sup>2</sup>	22 14 AWG
800 V / 8 kV / 3 2	600 V, 15 A <b>9N</b>
I <sub>N</sub> 17.5 A (24 A)	600 V, 15 A@
Terminal block width: 4.2 m	m / 0.165 inch
911 mm / 0.35	. 0.43 inch

	Technical Data	
	0.25 1.5 (2.5) mm <sup>2</sup>	22 14 AWG
	800 V / 8 kV / 3 <b>2</b>	600 V, 15 A <b>RA</b>
	I <sub>N</sub> 17.5 A (24 A)	600 V, 15 A@
	Terminal block width: 4.2 mm	n / 0.165 inch
9 11 mm / 0.35 0.43 inch		

Technical Data			
0.25 1.5 (2.5) mm <sup>2</sup>	22 14 AWG		
800 V / 8 kV / 3 <b>2</b>	600 V, 15 A <b>RA</b>		
I <sub>N</sub> 17.5 A (24 A)	600 V, 15 A@		
Terminal block width: 4.2 mm / 0.165 inch			
9 11 mm / 0.35 0.43 inch			



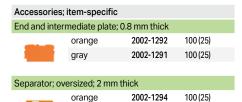






orange

gray



2002-1294

2002-1293

100 (25)

Ex e/Ex i sep	arator; orange	; 3 mm thick	
	90 mm	209-190	50 (25)
	120 mm	209-191	50 (25)



3-conductor through terminal block; with push-button				
Color	Item No.	Pack. Unit		
○ gray ⓑ	2201-1301 4	100		
oblue 🗟	2201-1304 3 4	100		
orange 😡	2201-1302 4	100		
ered 😡	2201-1303 4	100		
O black @	2201-1305 4	100		
yellow   yello	2201-1306 4	100		
light gray 🗟	2201-1309 4	100		
odark gray-yellow 🗟	2201-1301/000-053 4	100		



3-conductor ground terminal block; with push-button

Ex e/Ex i sep	arator; orange	; 3 mm thick	
	120 mm	209-191	50 (25)

gray

2002-1393

100 (25)



4-conductor through terminal block; with push-button			
Color	Item No.	Pack. Unit	
gray 😉	2201-1401 4	100	
oblue 🗟	2201-1404 3 4	100	
orange 🛭	2201-1402 4	100	
ered 😡	2201-1403 4	100	
O black &	2201-1405 4	100	
yellow 😡	2201-1406 4	100	
○ light gray ⑤	2201-1409 4	100	
dark gray-yellow 🗟	2201-1401/000-053	100	

4-conductor ground terminal block; with push-but				sh-button	
	green-ye	llow 🗟	2201-1407 4	100	
	Accessories; item-specific				
End and intermediate plate; 0.8 mm thick					
		orange	2002-1492	100 (25)	
		gray	2002-1491	100 (25)	

_	orange	2002-1494	100 (25)
	gray	2002-1493	100 (25)
Ex e/Ex i separator; orange; 3 mm thick			

Separator; oversized; 2 mm thick

# 120 mm 209-191 50 (25)

#### Accessories; 2201 Series

Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup> 2001-171 200 (25) light gray mm

Push-in type j	umper bar; insula	ated; I <sub>N</sub> 17.5 A;	light gray
-	2-way	2001-402	25
111	3-way	2001-403	25
1335	4-way	2001-404	25
	5-way	2001-405	25
	6-way	2001-406	25
	7-way	2001-407	25
	8-way	2001-408	25
	9-way	2001-409	25
	10-way	2001-410	25

Appropriate marking systems: WMB/WMB Inline/Marking strips

Push-in type jumper bar; insulated; I <sub>N</sub> 17.5 A; light gray				
-	1 to 3	2001-433	25	
	1 to 4	2001-434	25	
1 .	1 to 5	2001-435	25	
	1 to 6	2001-436	25	
	1 to 7	2001-437	25	
	1 to 8	2001-438	25	
	1 to 9	2001-439	25	
	1 to 10	2001-440	25	

Delta jumper; insulated;  $I_N = I_N$  terminal block; light gray 1-2 3-4 5-6 2001-406/020-000 25 Star point jumper; insulated;  $I_N = I_N$  terminal block; light

gray 2001-405/011-000 1-3-5 25

Step-down jumper; insulated; commons 6/4 mm<sup>2</sup> (10/12 AWG) to 4/2.5/1.5 mm² (12/14/16 AWG);  $I_N$  32 A light gray 2006-499 25



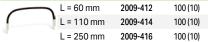
F

- Conductor range: 0.25 ... 2.5 mm<sup>2</sup> "s+f-st"; Push-in termination: 0.75 ... 2.5 mm<sup>2</sup> "s" and 0.75 ... 1.5 mm<sup>2</sup> "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- 3 Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II 550 V; 17.5 A

Please observe the application notes: Jumpers, from page 185 Testing accessories, from page 176 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

Push-in type wire jumper; insulated; 1.5 mm² conductor cross-section; I<sub>N</sub> 18 A



Modular connector; snaps together; for jumper contact slot



2001-511 100 (25)

Test plug adapter; for 4 mm  $\emptyset$  test plug;  $I_N$  10 A gray 2009-174 100 (25)

Testing tap; for max. 2.5 mm<sup>2</sup>



2009-182 100 (25)

Marking strip; plain; 11 mm wide; 50 m reel



2009-110 white

WMB Inline; plain; 2,000 WMB markers (4 mm)/reel; 4 ... 4.2 mm stretchable



white

793-4501

WMB marking card; white; 10 strips with 10 markers/card; 4 ... 4.2 mm stretchable

plain

2009-114

5



Step-down jumper (Item No. 2006-499) commons 6/4 mm² (10/12 AWG) terminal blocks (2206/2204 Series) with 4/2.5/1.5 mm<sup>2</sup> (AWG 12/14/16) terminal blocks (2204/2202/2201 Series).

# Through Terminal Block, Ground Conductor Terminal Block, Double-Potential Terminal Block TOPJOB® S; with Push-Button

2.5 (4) mm<sup>2</sup>; 2202 Series

Technical Data				
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG			
	600 V, 20 A 👊			
I <sub>N</sub> 24 A (32 A)	600 V, 20 A®			
Terminal block width: 5.2 mm / 0.205 inch				
€ 10 12 mm / 0.39 0.47 inch				

Technical Data			
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG		
800 V / 8 kV / 3 2	600 V, 20 A <b>RL</b>		
I <sub>N</sub> 24 A (32 A)	600 V, 20 A@		
Terminal block width: 5.2 mm / 0.205 inch			
■ 10 12 mm / 0.39 0.47 inch			

Technical Data			
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG		
800 V / 8 kV / 3 2	600 V, 20 A <b>N</b>		
I <sub>N</sub> 24 A (32 A)	600 V, 20 A@		
Terminal block width: 5.2 mm / 0.205 inch			
10 12 mm / 0.39 0.47 inch			







3-conductor through terminal block; with push-button						
Color	Item No.	Pack. Unit				
○ gray ⓑ	2202-1301 4	100				
■ blue   □	2202-1304 🔞 🐠	100				
orange 🛭	2202-1302 4	100				
ered 😡	2202-1303 4	100				
● black ⓑ	2202-1305 4	100				
o yellow 🗟	2202-1306 4	100				
○ light gray ⓑ	2202-1309 4	100				



4-conductor through terminal block; with push-button				
Color	Item No.	Pack. Unit		
gray 🗟	2202-1401 4	100		
O blue 😡	2202-1404 3 4	100		
orange 😉	2202-1402 4	100		
red 😉	2202-1403 4	100		
● black ⓑ	2202-1405 4	100		
o yellow 🖾	2202-1406 4	100		
○ light gray ⑤	2202-1409 🐠	100		

Accessories; item-specific						
End and intermediate plate; 0.8 mm thick						
	orange	2002-1292	100 (25)			
	gray	2002-1291	100 (25)			
Separator; oversized; 2 mm thick						

2-conductor ground terminal block; with push-button

100

ogreen-yellow (a) 2202-1207 (4)

-	orange	2002-1294	100 (25)			
	gray	2002-1293	100 (25)			
Ex e/Ex i separator; orange; 3 mm thick						
	90 mm	209-190	50 (25)			
Marie Control	120 mm	200 101	EU (3E)			

Accessories; item-specific					
End and inter	mediate plate;	0.8 mm thick			
	orange	2002-1392	100 (25)		
	gray	2002-1391	100 (25)		
Separator; oversized; 2 mm thick					

3-conductor ground terminal block; with push-button

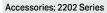
100

-	orange	2002-1394	100 (25)
	gray	2002-1393	100 (25)
Ex e/Ex i sepa	rator; orange; 3 r	nm thick	
(کیکا	120 mm	209-191	50 (25)

Accessories; item-specific				
End and intermediate plate; 0.8 mm thick				
	orange	2002-1492	100 (25)	
	gray	2002-1491	100 (25)	

4-conductor ground terminal block; with push-button

Ocparator, ov	Croized, z mim	anon		
	orange	2002-1494	100 (25)	
	gray	2002-1493	100 (25)	
Ex e/Ex i separator; orange; 3 mm thick				
	120 mm	209-191	50 (25)	
1/2 - 1 1				



mm	light gray	2002-171	200 (25)	
Insulation st	op; 5 pcs/strip;	0.75 1 mm²		
00000	dark gray	2002-172	200 (25)	
Push-in type	e jumper bar; ins	sulated; I <sub>N</sub> 25 A;	light gray	
	2-way	2002-402	25	
1.65	3-way	2002-403	25	

Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm²

h-in type jı	umper bar; insula	ated; I <sub>N</sub> 25 A; lig	ght gray
TYP	2-way	2002-402	25
	3-way	2002-403	25
	4-way	2002-404	25
	5-way	2002-405	25
	6-way	2002-406	25
	7-way	2002-407	25
	8-way	2002-408	25
	9-way	2002-409	25
	10-way	2002-410	25

Push-in type jumper bar; insulated; I <sub>N</sub> 25 A; light gray				
-	1 to 3	2002-433	25	
V	1 to 4	2002-434	25	
1 -	1 to 5	2002-435	25	
	1 to 6	2002-436	25	
	1 to 7	2002-437	25	
	1 to 8	2002-438	25	
	1 to 9	2002-439	25	
	1 to 10	2002-440	25	
Delta jumper; insulated; I <sub>N</sub> = I <sub>N</sub> terminal block; light gray				
THE	1-2 3-4 5-6	2002-406/02	0-000	25

	1 to 8	2002-438	25	
	1 to 9	2002-439	25	
	1 to 10	2002-440	25	
Delta jumper	; insulated; $I_N = I_1$	√ terminal blo	ck; light (	gray
THIN	1-2 3-4 5-6	2002-406/02	0-000	25
gray	nper; insulated;	I <sub>N</sub> = I <sub>N</sub> termina	l block; li	ight
	nper; insulated; 1-3-5	I <sub>N</sub> = I <sub>N</sub> termina 2002-405/01		ight 25
gray		2002-405/01	1-000	Ŭ

Continuous jumper; insulated; I <sub>N</sub> 25 A; light gray				
	1 to 3	2002-423	25	
	1 to 4	2002-424	25	
Continuous	jumper; insul	ated; I <sub>N</sub> 25 A, light	gray	
	3-way	2002-413	25	
(0.0	5-way	2002-415	25	
7.1				
Staggered jumper; insulated; I <sub>N</sub> 25 A; light gray				
CD-00	2-way	2002-472	25	
E E	3-way	2002-473	25	

Staggered jumper; insulated; I <sub>N</sub> 25 A; light gray					
N N	2-way	2002-472	25		
	3-way	2002-473	25		
3.1	4-way	2002-474	25		
	5-way	2002-475	25		
	6-way	2002-476	25		
	7-way	2002-477	25		
	8-way	2002-478	25		
	9-way	2002-479	25		
	10-way	2002-480	25		
	11-way	2002-481	25		
	12-way	2002-482	25		

- Conductor range: 0.25 ... 4 mm<sup>2</sup> "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II 550 V; 22 A

Please observe the application notes: Jumpers, from page 182 Testing accessories, from page 177 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

light gray

#### Accessories; 2202 Series

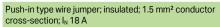
20 A jumper

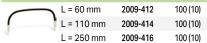
Appropriate marking systems: WMB/WMB Inline/Marking strips

Step-down jumper; insulated; commons 6/4 mm<sup>2</sup> (10/12 AWG) to 4/2.5/1.5 mm² (12/14/16 AWG);  $\rm I_N$  32 A



2006-499 25





 $\label{lem:modular connector} \mbox{Modular connector; snaps together; for jumper contact}$ slot



gray

2002-511

100 (25)

#### L-type test plug module; snaps together



2002-611 gray

100 (25)

#### Test plug adapter; for 4 mm Ø test plug; ; IN 10 A



gray

2009-174 100 (25)

#### Testing tap; for max. 2.5 mm<sup>2</sup>



2009-182

100 (25)

#### Marking strip; plain; 11 mm wide; 50 m reel



2009-110

WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable



white

2009-115

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable



plain

793-5501

5



Step-down jumper (Item No. 2006-499) commons 6/4 mm<sup>2</sup> (10/12 AWG) terminal blocks (2206/2204 Series) with 4/2.5/1.5 mm<sup>2</sup> (AWG 12/14/16) terminal blocks (2204/2202/2201 Series).

100 (25)

#### PUSH-IN CAGE CLAMP

# Through Terminal Block, Ground Conductor Terminal Block, TOPJOB® S; with Push-Button 2.5 (4) mm²; 2202 Series

Technical Data
0.25 ... 2.5 (4) mm<sup>2</sup> 1
800 V / 8 kV / 3 2
I<sub>N</sub> 24 A (32 A)

22 ... 12 AWG 600 V, 20 A**RA** 600 V, 20 A®

Terminal block width: 5.2 mm / 0.205 inch

10 ... 12 mm / 0.39 ... 0.47 inch



3-conductor through terminal block; with push-button				
Color	Item No.	Pack. Unit		
gray	2202-6301 4	100		
blue	2202-6304 3 4	100		
orange	2202-6302 4	100		
red	2202-6303 4	100		
black	2202-6305 4	100		
yellow	2202-6306 4	100		

3-conductor ground terminal block; with push-button				
green-yellow	2202-6307 4	100		

#### Accessories; 2202 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

End and inte	ermediate plate	e; 0.8 mm thick		
-	orange	2002-6392	100 (25)	
	gray	2002-6391	100 (25)	

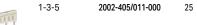
	o.ago		.00 (20)
	gray	2002-6391	100 (25)
The annual contract of the con	F I-+-: O (	25 052	

Insulation st	top; 5 pcs/strip;	0.25 0.5 mm	1 <sup>2</sup>	
amm	light gray	2002-171	200 (25)	

Insulation st	op; 5 pcs/strip;	0.75 1 mm²	
00000	dark gray	2002-172	200 (25)

Push-in type j	umper bar; insul	ated; I <sub>N</sub> 25 A; Ii	ght gray
-	2-way	2002-402	25
THE	3-way	2002-403	25
1.45	4-way	2002-404	25
	5-way	2002-405	25
	6-way	2002-406	25
	7-way	2002-407	25
	8-way	2002-408	25
	9-way	2002-409	25
	10-way	2002-410	25
Delta jumper;	insulated; $I_N = I_N$	terminal block	; light gray
Mili	1-2 3-4 5-6	2002-406/020	000 25

Star point jumper; insulated; $I_N = I_N$ terminal block; light	
gray	



Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 800 V = rated voltage8 kV = rated impulse voltage3 = pollution degree
- **3** Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications. 550 V; 21 A 20 A jumper

Please observe the application notes: Jumpers, from page 182 Testing accessories, from page 177 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2202 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

# Continuous jumper; insulated; I<sub>N</sub> 25 A, light gray 2-way 2002-400 25

Push-in type j	Push-in type jumper bar; insulated; I <sub>N</sub> 25 A; light gray			
N	1 to 3	2002-433	25	
	1 to 4	2002-434	25	
	1 to 5	2002-435	25	
	1 to 6	2002-436	25	
	1 to 7	2002-437	25	
	1 to 8	2002-438	25	
	1 to 9	2002-439	25	
	1 to 10	2002-440	25	

aggered jumper; insulated; I <sub>N</sub> 25 A; light gray			
TERMINE.	2-way	2002-472	25
E E	3-way	2002-473	25
11	4-way	2002-474	25
	5-way	2002-475	25
	6-way	2002-476	25
	7-way	2002-477	25
	8-way	2002-478	25
	9-way	2002-479	25
	10-way	2002-480	25
	11-way	2002-481	25
	12-way	2002-482	25

# Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing; $I_N$ 25 A; light gray

L Jala 19 18 19	1-3	2002-473/011-000	25
	1-3-5	2002-475/011-000	25
	1-3-5-7	2002-477/011-000	25
	1-3-5-7-9	2002-479/011-000	25
	1-3-5-7-9-11	2002-481/011-000	25
antinuous iu	mnor inculated	L 25 A: 1 to 2	

•				
F	light gray	2002-423	25	
	red	2002-423/000-	005	25
	blue	2002-423/000-	006	25
Continuous ju	mper; insulated	; I <sub>N</sub> 25 A; 1 to 4		

o o	po.,oaiacoa,	.,, 20 , ,		
	light gray	2002-424	25	
P	red	2002-424/000-	005	25
,	blue	2002-424/000-	006	25

Push-in type wire jumper; insulated; 1.5 mm <sup>2</sup> conductor
cross-section; I <sub>N</sub> 18 A

	L = 60 mm	2009-412	100 (10)
	L = 110 mm	2009-414	100 (10)
4	L = 250 mm	2009-416	100 (10)

#### Accessories; 2202 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Modular connector; snaps together; for jumper contact slot



y **2002-511** 100 (25)

### Spacer module; snaps together; bridges commoned



#### L-type test plug module; snaps together



# L-type spacer module; snaps together; bridges commoned terminal blocks



### Test plug adapter; for 4 mm Ø test plug; ; IN 10 A

	gray	2009-174	100 (25)
"			
1000			

recting tap, for man zie min			
	gray	2009-182	100 (25)

Testing tap: for max 2.5 mm<sup>2</sup>

Marking strip: plain: 11 mm wide: 50 m reel	

# white 2009-110 1

# WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable white 2009-115 1

WMB marking card; white; 10 strips with 10 markers/card;
E 50 1 1 1 1 1

plain **793-5501** 5



# Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Push-Button 2.5 (4) mm²; 2202 Series



4-conductor through terminal block; with push-button Notice: This terminal block cannot be commoned with push-in type jumper bars!

Color	Item No.	Pack. Unit
gray	2202-6401 4	100
blue	2202-6404 3 4	100
orange	2202-6402 4	100
red	2202-6403 4	100
black	2202-6405 4	100
yellow	2202-6406 4	100

4-conductor ground terminal block; with push-button		
green-yellow	2202-6407 4	100

#### Accessories: 2202 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### End and intermediate plate; 0.8 mm thick

orange	2002-6392	100 (25)
gray	2002-6391	100 (25)

#### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm²

light gray 2002-171 200 (25)

Insulation stop; 5 pcs/strip; 0.75 ... 1 mm²

dark gray

2002-172

200 (25)

Marking strip; plain; 11 mm wide; 50 m reel

white 2009-110

WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

9

white

2009-115

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable



Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 800 V = rated voltage
   8 kV = rated impulse voltage
   3 = pollution degree
- 3 Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications.
  550 V; 21 A
  20 A jumper

Please observe the application notes: Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



3- and 4-conductor terminal blocks (angled type): WAGO's Rail-Mount Terminal Blocks TOPJOB® S have a 35-degree conductor entry angle permitting a very small bend radius and an extremely short wiring distance to the cable duct. These are space- and cost-saving solutions for switchgear and control cabinet applications that use the LSC wiring system from Lütze. The design allows cable duct to be placed very close to the terminal blocks, keeping its height relatively low.

#### Product features:

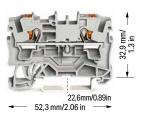
- Push-in CAGE CLAMP® connection for all conductor types, with the additional benefit of solid, stranded and fine-stranded conductors with ferrules being simply pushed in
- · Vibration-proof, fast, maintenance-free
- 3-conductor through and ground conductor terminal blocks equipped with a dual jumper slot
- 4-conductor terminal blocks permit potential multiplication – no additional jumpers or terminal blocks needed
- 3- and 4-conductor terminal blocks have the same dimensions.
- An end plate must be applied when changing from a 3-conductor terminal block to a 4-conductor terminal block and vice versa.

# Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Push-Button 4 (6) mm<sup>2</sup>; 2204 Series

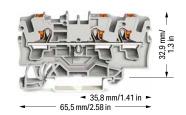
Technical Data	
0.5 4 (6) mm <sup>2</sup>	20 10 AWG
800 V / 8 kV / 3 2	600 V, 30 A <b>RL</b>
I <sub>N</sub> 32 A (41 A)	600 V, 30 A@
Terminal block width: 6.2 m	m / 0.244 inch
√ ■ 11 13 mm / 0 43	0.51 inch

Technical Data		
0.5 4 (6) mm <sup>2</sup>	20 10 AWG	
800 V / 8 kV / 3 <b>2</b>	600 V, 30 A <b>9</b> 1	
I <sub>N</sub> 32 A (41 A)	600 V, 30 A@	
Terminal block width: 6.2 mm / 0.244 inch		
11 13 mm / 0.43 .	0.51 inch	

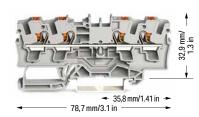
Technical Data		
0.5 4 (6) mm <sup>2</sup>	20 10 AWG	
800 V / 8 kV / 3 2	600 V, 30 A <b>9N</b>	
I <sub>N</sub> 32 A (41 A)	600 V, 30 A@	
Terminal block width: 6.2 mm / 0.244 inch		
11 13 mm / 0.43 0.51 inch		



2-conductor through terminal block; with push-button			
Color	Item No.	Pack. Unit	
○ gray ⑤	2204-1201 4	50	
oblue 😉	2204-1204 3 4	50	
orange 😡	2204-1202 4	50	
red 😡	2204-1203 4	50	
● black ⓑ	2204-1205 4	50	
yellow 🛭	2204-1206 4	50	
○ light gray ⓑ	2204-1209 4	50	
O dark gray-yellow 🛭	2204-1201/000-053	50	



3-conductor through terminal block; with push-button				
Color	Item No.	Pack. Unit		
○ gray ⓑ	2204-1301 4	50		
oblue 🗟	2204-1304 🔞 🐠	50		
orange 🛭	2204-1302 4	50		
red 😡	2204-1303 4	50		
● black ⓑ	2204-1305 4	50		
yellow 🛭	2204-1306 4	50		
○ light gray ⑤	2204-1309 4	50		
odark gray-yellow 😉	2204-1301/000-053 4	50		
• • • • •				



4-conductor through t	terminal block; with pu	sh-button
Color	Item No.	Pack. Unit
gray 😉	2204-1401 4	50
oblue 🗟	2204-1404 🔞 🐠	50
orange 🛭	2204-1402 4	50
ed 🕒	2204-1403 4	50
black	2204-1405 4	50
yellow 😡	2204-1406 4	50
○ light gray ⓑ	2204-1409 4	50
odark gray-yellow 😉	2204-1401/000-053 4	50

green-ye	IIOW 🖾 220	14-1207	50	
Accessories	item-specifi	С		
End and intermediate plate; 1 mm thick				
	orange	2004-1292	100 (25)	
	gray	2004-1291	100 (25)	

2-conductor ground terminal block; with push-button

Accessories; i	tem-specific					
End and intern	nediate plate; 1 i	mm thick				
	orange	2004-1392	100 (25)			
	gray	2004-1391	100 (25)			
Separator; oversized; 2 mm thick						

3-conductor ground terminal block; with push-button

50

100 (25)

green-yellow @ 2204-1307 4

2204-1407 4	50
pecific	
e plate; 1 mm thick	
je <b>2004-1492</b>	100 (25)
2004-1491	100 (25)
	pecific e plate; 1 mm thick ge 2004-1492

4-conductor ground terminal block; with push-button

		gray	2004-1293	100 (25)			
Ex	Ex e/Ex i separator; orange; 3 mm thick						
4	_	90 mm	209-190	50 (25)			
Ų		120 mm	209-191	50 (25)			
	1						

2004-1294

100 (25)

	gray	2004-1393	100 (25)	
-				
Ex e/Ex i sepa	arator; orange;	3 mm thick		
	120 mm	209-191	50 (25)	

2004-1394

-	orange	2004-1494	100 (25)	
	gray	2004-1493	100 (25)	
Ex e/Ex i sepa	arator; orange	; 3 mm thick		
	120 mm	209-191	50 (25)	

#### Accessories; 2204 Series

Separator; oversized; 2 mm thick

Appropriate marking systems: WMB/WMB Inline/Marking strips Push-in type jumper bar; insulated;  $I_N$  32 A; light gray

Insulation stop; 5 pcs/strip; 0.25 0.5 mm <sup>2</sup>					
mm	light gray	2004-171	200 (25)		
Insulation stop; 5 pcs/strip; 0.75 1 mm <sup>2</sup>					

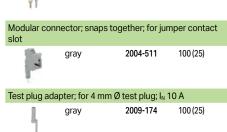
1		1 to 3	2004-433	25
	V	1 to 4	2004-434	25
		1 to 5	2004-435	25
		1 to 6	2004-436	25
		1 to 7	2004-437	25
		1 to 8	2004-438	25
		1 to 9	2004-439	25
		1 to 10	2004-440	25

(10/12 AWG	m² (12/14/16 A	.WG); I <sub>N</sub> 32	2 A	
T	light gray	2006-499	25	
Modular co slot	nnector; snaps t	ogether; for jur	nper con	tact

Step-down jumper; insulated; commons 6/4 mm<sup>2</sup>

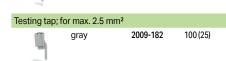
A000	dark gray	2004-172	200 (25)
(Breeze			

Y I	1104	2004-404	23	
1	1 to 5	2004-435	25	
	1 to 6	2004-436	25	
	1 to 7	2004-437	25	
	1 to 8	2004-438	25	
	1 to 9	2004-439	25	
	1 to 10	2004-440	25	
Star point jum gray	per; insulated; I <sub>N</sub>	= I <sub>N</sub> terminal b	lock; ligh	it
TOPU	1-3-5	2004-405/011-	000	25



Push-in type jumper bar; insulated; I <sub>N</sub> 32 A; light gray			
	2-way	2004-402	25
VIII.	3-way	2004-403	25
Line	4-way	2004-404	25
	5-way	2004-405	25
	6-way	2004-406	25
	7-way	2004-407	25
	8-way	2004-408	25
	9-way	2004-409	25
	10-way	2004-410	25

Delta jumper	; insulated; $I_N = I$	v terminal block; light gray
MIN	1-2 3-4 5-6	2004-406/020-000



- Conductor range: 0.5 ... 6 mm² "s+f-st"; Push-in termination: 1.5 ... 6 mm² "s" and 1.5 ... 4 mm² "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 800 V = rated voltage8 kV = rated impulse voltage3 = pollution degree
- **3** Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications.
  550 V; 31 A
  30 A jumper

Please observe the application notes: Jumpers, from page 185 Testing accessories, from page 178 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



Step-down jumper (Item No. 2006-499) commons  $6/4 \text{ mm}^2$  (10/12 AWG) terminal blocks (2206/2204 Series) with  $4/2.5/1.5 \text{ mm}^2$  (AWG 12/14/16) terminal blocks (2204/2202/2201 Series).

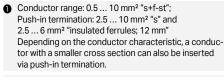


27

### Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Push-Button 6 (10) mm<sup>2</sup>; 2206 Series

Technical Data			
0.5 6 (10) mm <sup>2</sup>	20 8 AWG		
800 V / 8 kV / 3 2	600 V, 50 A <b>9A</b>		
I <sub>N</sub> 41 A (57 A)	600 V, 50 A®		
Terminal block width: 7.5 mm / 0.295 inch			
■ 13 15 mm / 0.51 0.59 inch			

Technical Data			
0.5 6 (10) mm <sup>2</sup>	20 8 AWG		
	600 V, 50 A <b>RL</b>		
I <sub>N</sub> 41 A (57 A)	600 V, 50 A®		
Terminal block width: 7.5 mm / 0.295 inch			
13 15 mm / 0.51 0.59 inch			



- 2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II 550 V; 41 A 33 A jumper

Please observe the application notes: Jumpers, from page 185 Testing accessories, from page 178 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



2-conductor through terminal block; with push-button			
Color	Item No.	Pack. Unit	
gray	2206-1201 4	50	
oblue 😉	2206-1204 3 4	50	
dark gray-yellow 😉	2206-1201/000-053 4	50	

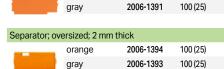


3-conductor through terminal block; with push-button			
Color	Item No.	Pack. Unit	
○ gray ⑤	2206-1301 4	25	
oblue 😡	2206-1304 3 4	25	
ered &	2206-1303 4	25	
black	2206-1305 4	25	
dark gray-vellow 🗟	2206-1301/000-053	25	

2-conductor ground terminal block; with push-button 3-conductor ground terminal block; with push-button ogreen-yellow 2206-1307 4 Accessories: item-specific Accessories: item-specific End and intermediate plate; 1 mm thick End and intermediate plate; 1 mm thick orange 2006-1292 100 (25) orange 2006-1392 100 (25) 2006-1291 gray

100 (25)

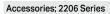
100 (25)



100 (25)



Step-down jumper (Item No. 2006-499) commons 6/4 mm² (10/12 AWG) terminal blocks (2206/2204 Series) with 4/2.5/1.5 mm<sup>2</sup> (AWG 12/14/16) terminal blocks (2204/2202/2201 Series).



Separator; oversized; 2 mm thick

orange

Ex e/Ex i separator; orange; 3 mm thick

1-3-5

TILL

gray

Appropriate marking systems: WMB/WMB Inline/Marking strips

	120 mm	209-191	50 (25)
Push-in type	jumper bar; in:	sulated; I <sub>N</sub> 41 A;	light gray
	2-way	2006-402	25
YY	3-way	2006-403	25
	4-way	2006-404	25
	5-way	2006-405	25
Push-in type jumper bar; insulated; I <sub>N</sub> 41 A; light gray			
-	1 to 3	2006-433	25
Y	1 to 4	2006-434	25
1.	1 to 5	2006-435	25
Star point jumper; insulated; $I_N = I_N$ terminal block; light gray			

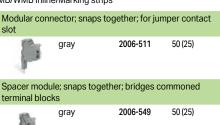
2006-1294

2006-1293

Lir			
	jumper; insulate ) to 4/2.5/1.5 mr		
T	light gray	2006-499	25

2006-405/011-000

25



Test plug adapter; for 4 mm Ø test plug; I <sub>N</sub> 10 A				
1	gray	2009-174	100 (25)	
Testing tap;	Testing tap; for max. 2.5 mm <sup>2</sup>			
	gray	2009-182	100 (25)	
Marking strip	o; plain; 11 mm v	vide; 50 m reel		
	white	2000-110	1	

WMB marking card; white 5 5.2 mm stretchable	; 10 strips with 10	markers/card;
plain	793-5501	5

### Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Push-Button 10 (16) mm<sup>2</sup>; 2210 Series

**Technical Data** 0,5 ... 10 (16) mm<sup>2</sup> 20 ... 6 AWG 800 V / 8 kV / 3 2 600 V, 65 A**N** I<sub>N</sub> 57 A (76 A) 600 V, 64 A@ Terminal block width: 10 mm / 0.394 inch **□** 17 ... 19 mm / 0.67 ... 0.75 inch

**Technical Data** 0,5 ... 10 (16) mm<sup>2</sup> 20 ... 6 AWG 600 V, 65 A 🕦 800 V / 8 kV / 3 2 I<sub>N</sub> 57 A (76 A) 600 V, 64 A@ Terminal block width: 10 mm / 0.394 inch □ 17 ... 19 mm / 0.67 ... 0.75 inch

Conductor range: 0.5 ... 16 mm2 "s+f-st"; Push-in termination: 4 ... 16 mm<sup>2</sup> "s" and 4 ... 10 mm<sup>2</sup> "insulated ferrules; 18 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Exiapplications.
- Terminal blocks with an Ex mark are suitable for Ex e II 550 V; 54 A 50 A jumper

Please observe the application notes: Jumpers, from page 185 Testing accessories, from page 178 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



2-conductor through terminal block; with push-button			
Color	Item No.	Pack. Unit	
○ gray ⑤	2210-1201 4	25	
oblue 😡	2210-1204 3 4	25	
ered 😉	2210-1203 4	25	
■ black   ⑤	2210-1205 4	25	
odark gray-yellow 🗟	2210-1201/000-053 4	25	

Color	terminal block; with pu Item No.	Pack. Unit
gray 🖫	2210-1301 4	25
oblue 😉	2210-1304 3 4	25
ered 😡	2210-1303 4	25
● black ⑤	2210-1305 4	25
odark gray-yellow 🗟	2210-1301/000-053 4	25

3-conductor ground terminal block; with push-button

ogreen-yellow 2210-1307 4

89 mm/3.5 in

52,2 mm/2.06 in



209-191

50 (25)

2-conductor ground terminal block; with push-button

Accessories; item-specific				
End and intermediate plate; 1 mm thick				
	orange	2010-1392	100 (25)	
	gray	2010-1391	100 (25)	



120 mm

Appropriate marking systems: WMB/WMB Inline/Marking strips

,,,,			0 0 ,
	2-way	2010-402	25
	3-way	2010-403	25
11	4-way	2010-404	25
	5-way	2010-405	25
Push-in type j	umper bar; insul	ated; I <sub>N</sub> 57 A; li	ght gray
	1 to 3	2010-433	25
J 1	1 to 4	2010-434	25
1.	1 to 5	2010-435	25
Star point jum	ner insulated l	= l., terminal h	lock: light

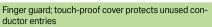
Push-in type jumper bar; insulated; I<sub>N</sub> 57 A; light gray

Modular cor slot	nnector; sna <sub>l</sub>	os together; for jun	nper contact
No.	gray	2010-511	50 (25)
Spacer mod terminal blo		ogether; bridges co	ommoned
No.	gray	2010-549	50 (25)



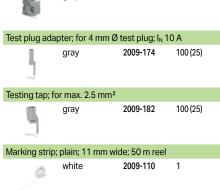
gray 1-3-5 2010-405/011-000 25







yellow 2010-100 100 (25)



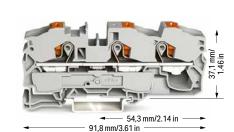
WMB marking card; white; 10 strips with 10 markers/card; .. 5.2 mm stretchable plain 793-5501 5



### Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Push-Button 16 (25 "f-st") mm2; 2216 Series

**Technical Data** 0.5 ... 16 (25 "f-st") mm<sup>2</sup> 20 ... 4 AWG 600 V, 85 A 🕦 800 V / 8 kV / 3 2 600 V, 85 A@ Terminal block width: 12 mm / 0.472 inch □ 18 ... 20 mm / 0.71 ... 0.79 inch

**Technical Data** 0.5 ... 16 (25 "f-st") mm<sup>2</sup> 20 ... 4 AWG 600 V, 85 A 🕦 800 V / 8 kV / 3 2 I<sub>N</sub> 76 A (90 A) 600 V, 85 A@ Terminal block width: 12 mm / 0.472 inch □ 18 ... 20 mm / 0.71 ... 0.79 inch



00,0 111111/2:70 111					
2-conductor through terminal block; with push-button					
Color	Item No.	Pack. Unit			
gray 🗟	2216-1201 4	20			
oblue 🗟	2216-1204 3 4	20			
red    red    le   red    red	2216-1203 4	20			
black	2216-1205 4	20			
ark gray-yellow 🛭	2216-1201/000-053	20			

69 8 mm/2 75 in

32,3 mm/1.27 in ►

3-conductor through terminal block; with push-button				
Color	Item No.	Pack. Unit		
○ gray ⓑ	2216-1301 4	20		
oblue 🗟	2216-1304 🔞 🐠	20		
red 😡	2216-1303 4	20		
black 😉	2216-1305 4	20		
O dark gray-yellow 🛭	2216-1301/000-053	20		

3-conductor ground terminal block; with push-button 15 mm high DIN-35 rails shall be used for a current load higher than 76 A! green-yellow (a) 2216-1307 (4)

Accessories; item-specific						
End and intermediate plate; 1 mm thick						
	orange	2016-1292	100 (25)			
	gray	2016-1291	100 (25)			

2-conductor ground terminal block; with push-button

15 mm high DIN-35 rails shall be used for a current load

Accessorie	s; item-specifi	С		
End and int	ermediate plate	e; 1 mm thick		
	orange	2016-1392	100 (25)	
	gray	2016-1391	100 (25)	

Accessories; 2216 Series

higher than 76 A!

green-yellow (2216-1207 4)

Ex e/Ex i separator; orange; 3 mm thick 120 mm

Appropriate marking systems: WMB/WMB Inline/Marking strips

50 (25)

	,	ippropriate me	arrang oyotomo.		
Push-in type jumper bar; insulated; I <sub>N</sub> 76 A; light gray					
	2-way	2016-402	25		
JUY	3-way	2016-403	25		
H. H.	4-way	2016-404	25		
	5-way	2016-405	25		
Push-in type	jumper bar; insu	lated; I <sub>N</sub> 76 A;	light gray		
_	1 to 3	2016-433	25		
W. W.	1 to 4	2016-434	25		
	1 to 5	2016-435	25		
Star point jumper: insulated: I <sub>N</sub> = I <sub>N</sub> terminal block: light					

Push-in type ji	umper bar; ınsul	ated; $I_N$ /6 A; $I_I$	ght gray	
	1 to 3	2016-433	25	
J 4	1 to 4	2016-434	25	
H.	1 to 5	2016-435	25	
Star point jum gray	per; insulated; I <sub>N</sub>	= I <sub>N</sub> terminal b	lock; ligh	ıt
FYY	1-3-5	2016-405/011-	000	25

	jumper; insulate to 10/6/4/2.5 m			57 A
YY	light gray	2016-499	25	

1.1			
Finger guard ductor entri		cover protects u	nused con-
	yellow	2016-100	100 (25)

1						
Spacer module; snaps together; bridges commoned terminal blocks						
16	gray	2016-549	50 (25)			
Test plug adapter; for 4 mm Ø test plug; I <sub>N</sub> 10 A						
1	gray	2009-174	100 (25)			
Testing tap; for max. 2.5 mm <sup>2</sup>						
m.	gray	2009-182	100 (25)			

Modular connector; snaps together; for jumper contact

gray

2016-511

50 (25)

Marking strip	o; plain; 11 m	ım wide; 50 m reel		
0.	white	2009-110	1	

WMB marking card; white; 5 5.2 mm stretchable	10 strips with 10	) marke	rs/card
plain	793-5501	5	

- Conductor range: 0.5 ... 16 mm<sup>2</sup> "s+f-st", 25 mm<sup>2</sup> "f-st"; Push-in termination: 6 ... 16 mm<sup>2</sup> "s" and 6 ... 16 mm<sup>2</sup> "insulated ferrules; 18 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II 550 V; 76 A 65 A jumper

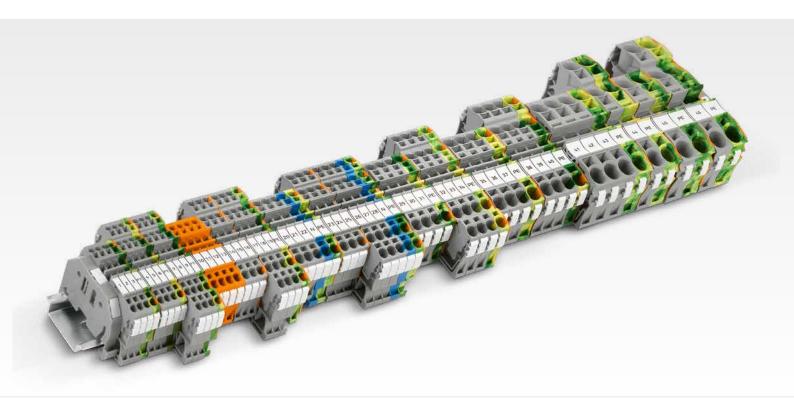
Please observe the application notes: Jumpers, from page 185 Testing accessories, from page 179 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



# **Through Terminal Blocks**

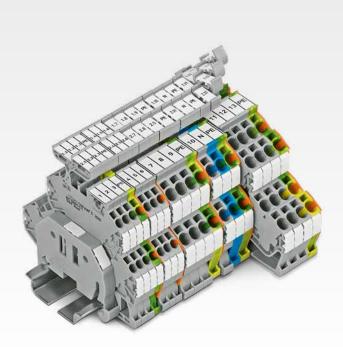
# Single-Deck – Double-Deck – Triple-Deck



# Single-Deck Terminal Blocks

- Terminate conductors ranging from 0.14 to 25 mm² (24–4 AWG)
- Provide simple, push-in termination of solid, stranded and ferruled conductors
- Feature centered dual jumper slots that accommodate WAGO's extensive line of jumpers
- Benefit from clear and continuous labeling via a centered marking slot
- Cost-effective use of both marking strips and WMB markers on all Through Terminal Blocks TOPJOB® S







### **Double-Deck Terminal Blocks**

- Save space
- Just 3.5 mm wide to maximize space
- Rated for 800 V nominal voltage
- Pivoting marker carrier clearly identifies each clamping unit – even in the tightest areas
- Both decks can be commoned after wiring via pluggable vertical jumper

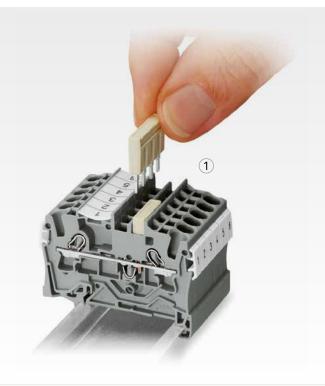
# **Triple-Deck Terminal Blocks**

- Three different potentials in a width of just 5.2 mm (0.205 inch)
- Pivoting marker carrier clearly identifies each connection point in space-restricted conditions
- Both decks can be commoned after wiring via pluggable vertical jumper
- Wire an electric motor with four potentials, including a ground conductor, with just a 5.2 mm rail-mount terminal block for electric motor wiring



# Range of Jumpers

# For All Commoning Tasks





# 1) Push-In Type Jumper Bars

- Simply insert push-in type jumper bars into one of the center jumper slots.
- Insert the operating tool between the jumper and partition wall of the dual jumper slots, then lift up the jumper.
- Place the operating tool in the center of jumpers for up to five contacts, or alternately on both sides for jumpers with more than five contacts.



### ② Staggered Jumpers

- Staggered jumpers allow 2002 and 2003 Series terminal blocks to accommodate two potentials in a single jumper slot alongside each other.
- Dual jumper slots allow four different potentials to be accommodated along side each other.
- Make sure that only one contact lug is inserted per contact.
- Insert the staggered jumpers so that the red lines of both jumpers are facing each other.



Standard jumpers offered by WAGO



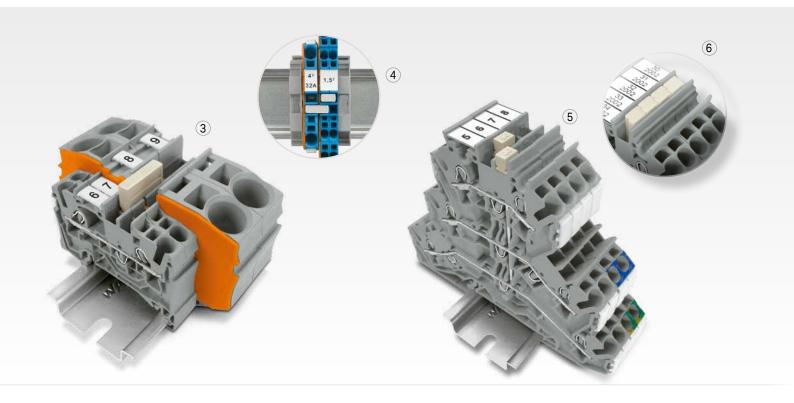
Custom push-in type jumper bars are created by breaking and removing jumper contacts (2000, 2001, 2002, 2004 Series).



Custom staggered jumpers are created by breaking off jumper contacts.

# Note Please note that: The total current of the outgoing circuits must not exceed the nominal current of the step-down jumper/push-in type jumper bar.





## ③ Commoning with Step-Down Jumpers

- 2016-499 Step-Down Jumpers common 16/10 mm<sup>2</sup> (16/8 AWG) terminal blocks (2016/2010 Series) with 10/6/4/2.5 mm<sup>2</sup> (8/10/12/14 AWG) terminal blocks (2010/2006/2004/2002 Series).
- 2006-499 Step-Down Jumpers common 6/4 mm<sup>2</sup> (10/12 AWG) terminal blocks (2006/2004 Series) with 4/2.5/1.5 mm<sup>2</sup> (AWG 12/14/16) terminal blocks (2004/2002/2001 Series).
- An end plate must be inserted between the terminal blocks to be commoned.

## 4 Commoning with Push-In Type Jumper Bars

- Commoning via open terminal side with end plate allows jumpering over two cross-section sizes for 16 mm²/6 AWG (2016 Series) and 10 mm²/8 AWG (2010 Series), e.g., from 16 mm²/6 AWG (2016 Series) to 6 mm²/10 AWG (2006 Series) or from 10 mm²/8 AWG (2010 Series) to 4 mm²/12 AWG (2004 Series).
- One cross-section size can be jumpered over when commoning 6 mm²/4 mm²/2.5 mm² (10/12/14 AWG) terminal blocks (2006/2004/2002 Series): from 6 mm²/10 AWG (2006 Series) to 4 mm²/12 AWG (2004 Series)
- Commoning via closed terminal side with end plate allows jumpering over two cross-section sizes, e.g., from 16 mm²/6 AWG (2016 Series) to 6 mm²/10 AWG (2006 Series) or from 6 mm²/10 AWG (2006 Series) to 2.5 mm²/14 AWG (2002 Series).

## **5 Vertical Jumpers**

 Created for double- and triple-deck Terminal Blocks TOPJOB® S, the vertical jumpers can common two or three levels.

## Adjacent Jumpers for Continuous Commoning

- Any number of 2002 Series Terminal Blocks can be commoned without a push-in type jumper bar (2- to 10-way).
- These jumpers are ideal for electric motor wiring or 4-conductor, double-deck rail-mount terminal blocks that only have one jumper slot per level. Connection is made by inserting each contact of two adjacent jumpers in a single slot.

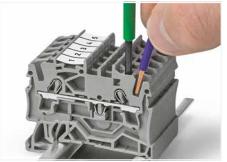


# Rail-Mount Terminal Blocks TOPJOB® S; with Push-in CAGE CLAMP® 2000 to 2016 Series

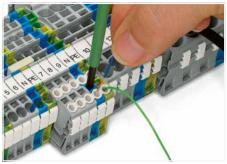
## **Description and Installation**



Push-in termination of solid and ferruled conductors



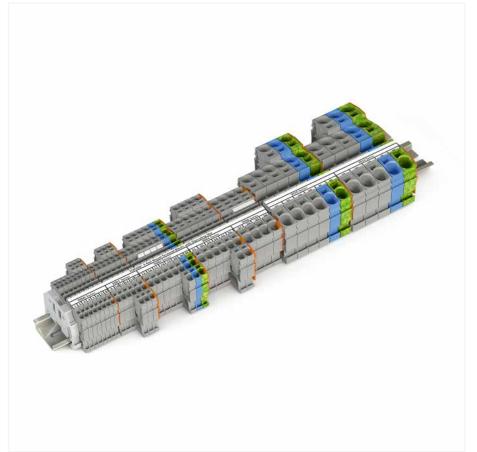
Insert fine-stranded conductors via operating tool.



 $Conductor\ termination-insulation\ stop$ 



Insert push-in type jumper bar and push down until it hits backstop.





Custom jumpers are created by breaking and removing jumper contacts (2000, 2001, 2002, 2004 Series).



Push-in type jumper bar: Marking with a felt-tip pen.



 $Commoning \ with \ step-down \ jumpers.$ 



This star point jumper was specifically developed to create a "star point" and is used on motor terminal boards equipped with Rail-Mount Terminal Blocks TOPJOB® S.



Push-in CAGE CLAMP® terminates the following copper conductors: solid "s"



stranded "st"



fine-stranded "f-st", also with tinned single strands



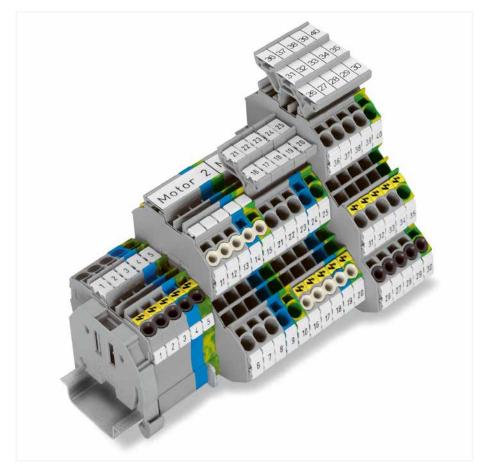
Rail-mount terminal block assembly for electric motor wiring



L-type test plug modules fitted in a triple-deck terminal block  $% \left( 1\right) =\left( 1\right) \left( 1\right) \left($ 



Testing tap (Item No. 2009-182) for tool-free connection of test cables up to 2.5  $\,\text{mm}^2$  (12 AWG) – compatible with 2000 to 2016 Series

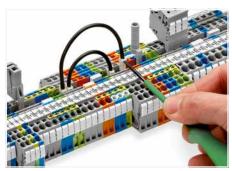




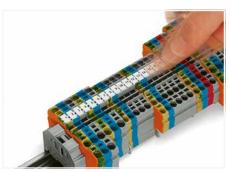
Test plug adapter (Item No. 2009-174, CAT I) for 4 mm Ø plugs – compatible with 2000 to 2016 Series



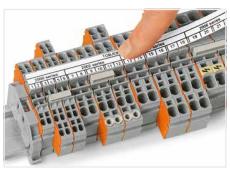
Group marker carrier (Item No. 2009-163) for marking strips (2009-110)  $\,$ 



Push down the wire jumper until fully inserted. Lift the jumper with an operating tool for rewiring.



Snapping a marking strip into the marker slot.



Snapping a marking strip into the marker slot.



fine-stranded, tip-bonded



fine-stranded, with ferrule (gastight crimped)



fine-stranded, with pin terminal (gastight crimped)



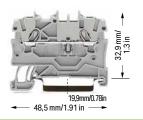
# Through Terminal Block, Ground Conductor Terminal Block, Double-Potential Terminal Block TOPJOB® S

1 (1.5) mm<sup>2</sup>; 2000 Series

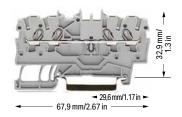
Technical Data		
	24 16 AWG	
	600 V, 15 A <b>9N</b>	
I <sub>N</sub> 13.5 A (17.5 A)	600 V, 10 A@	
Terminal block width: 3.5 mm / 0.138 inch		
9 11 mm / 0.35 0.43 inch		

Technical Data			
0.14 1 (1.5) mm <sup>2</sup>	24 16 AWG		
800 V / 8 kV / 3 <b>2</b>	600 V, 15 A <b>9A</b>		
I <sub>N</sub> 13.5 A (17.5 A)	600 V, 10 A@		
Terminal block width: 3.5 mm / 0.138 inch			
2 11 mm / 0.35 0.43 inch			

Technical Data			
0.14 1 (1.5) mm <sup>2</sup>	24 16 AWG		
800 V / 8 kV / 3 <b>2</b>	600 V, 15 A <b>'9</b> 1		
I <sub>N</sub> 13.5 A (17.5 A)	600 V, 10 A@		
Terminal block width: 3.5 mm / 0.138 inch			
9 11 mm / 0.35 0.43 inch			







2-conductor through terminal block			
Color	Item No.	Pack. Unit	
○ gray ⑤	2000-1201 4	100	
oblue 😉	2000-1204 3 4	100	
orange 😡	2000-1202 4	100	
ered 🚱	2000-1203 4	100	
● black ⓑ	2000-1205 4	100	
o yellow 🛭	2000-1206 4	100	

Color	Item No.	Pack. Unit		
○ gray ⓑ	2000-1301 4	100		
oblue 🗟	2000-1304 🔞 🐠	100		
orange 🛭	2000-1302 4	100		
red 😡	2000-1303 4	100		
● black ⓑ	2000-1305 4	100		
yellow 😡	2000-1306 4	100		
3-conductor ground terminal block				

3-conductor through terminal block

4-conductor through terminal block			
Color	Item No.	Pack. Unit	
○ gray ⑤	2000-1401 4	100	
■ blue ⑤	2000-1404 3 4	100	
orange 🛭	2000-1402 4	100	
ered 😉	2000-1403 4	100	
black	2000-1405 4	100	
o yellow 🗟	2000-1406 4	100	

green-ye	llow 🗟	2000-1207 4	100	
Accessories;	item-spe	ecific		
End and intermediate plate; 0.7 mm thick				
	orange	2000-12	92 100 (25)	
	gray	2000-12	91 100 (25)	
F., - /F., :				

Accessories; item-specific					
End and intermediate plate; 0.7 mm thick					
	orange	2000-1392	100 (25)		
	gray	2000-1391	100 (25)		

100

Accessories; item-specific				
End and inter	End and intermediate plate; 0.7 mm thick			
-	orange	2000-1492	100 (25)	
	gray	2000-1491	100 (25)	

4-conductor ground terminal block

green-yellow 2000-1407 4



Ex e/Ex i separator; orange; 3 mm thick				
	120 mm	209-191	50 (25)	

Ex e/Ex i sep	arator; orange	; 3 mm thick	
	120 mm	209-191	50 (25)

Spacer module; snaps together; bridges commoned

Accessories; 2000 Series

2-conductor ground terminal block

Appropriate marking systems: WMB/WMB Inline/Marking strips

Delta jumper; insulated; I<sub>N</sub> = I<sub>N</sub> terminal block; light gray

2000-406/020-000

1-2 3-4 5-6

cross-section; I<sub>N</sub> 9 A

Modulai

Push-in type jumper bar; insulated; I <sub>N</sub> 13.5 A; light gray			
CO CLASS	2-way	2000-402	25
111	3-way	2000-403	25
1000	4-way	2000-404	25
	5-way	2000-405	25
	6-way	2000-406	25
	7-way	2000-407	25
	8-way	2000-408	25
	9-way	2000-409	25
	10-way	2000-410	25
Push-in type jumper bar; insulated; I <sub>N</sub> 13.5 A; light gray			
-	1 to 3	2000-433	25

Star point jui	mper; insulat	ed; I <sub>N</sub> = I <sub>N</sub> terminal block; li	ght
प्प	1-3-5	2000-405/011-000	25
Push-in type wire jumper; insulated; 0.75 mm² conductor			

terrinia bio	CIG			
	gray	2000-549	100 (25)	
Test plug ac	lapter; for 4 i	mm Ø test plug; l <sub>N</sub> 1	0 A	
1	gray	2009-174	100 (25)	
Testing tap;	for max. 2.5	mm²		
0.	gray	2009-182	100 (25)	

	Push-in type jumper bar; insulated; I <sub>N</sub> 13.5 A; light gray			
	PATRICE .	1 to 3	2000-433	25
1	1 to 4	2000-434	25	
		1 to 5	2000-435	25
	1 to 6	2000-436	25	
	1 to 7	2000-437	25	
		1 to 8	2000-438	25
	1 to 9	2000-439	25	
		1 to 10	2000-440	25

Protective warning marker; with black high-voltage

	L = 60 mm	2009-402	100 (10)
	L = 110 mm	2009-404	100 (10)
	L = 250 mm	2009-406	100 (10)
slot	nector; snaps to ck width: 5 mm /		mper contact
jia .	gray	2000-511	100 (25)

	gray	2000-511	100 (25)	
r cor	nnector; sna	aps together; for jun	nper contact	
4	gray	2000-510	100 (25)	



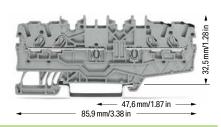
100 (25)

#### **Technical Data**

24 ... 16 AWG 0.14 ... 1 (1.5) mm<sup>2</sup> 800 V / 8 kV / 3 2 600 V, 15 A**N** I<sub>N</sub> 13.5 A (17.5 A) 600 V, 10 A@

Terminal block width: 3.5 mm / 0.138 inch

**□ □ □ 9** ... 11 mm / 0.35 ... 0.43 inch



Double-potential terminal block; both potentials can be	
commoned	

Color	Item No.	Pack. Unit
○ gray ⓑ	2000-2141 4	50

Conductor range: 0.14 ... 1.5 mm² "s+f-st"; Push-in termination: 0.5 ... 1.5 mm<sup>2</sup> "s" and 0.5 ... 0.75 mm<sup>2</sup> "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications. 550 V; 13 A 12 A jumper

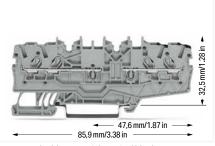
Please observe the application notes: Separator for Ex e/Ex i applications, see page 47 Jumpers, from page 182 Testing accessories, from page 176 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

### Accessories; item-specific

#### End and intermediate plate; 0.7 mm thick

	orange	2000-2196	100 (25)
	gray	2000-2195	100 (25)



Front-entry double-potential terminal blocks are space savers. Two independent feedthrough circuits are placed in one insulated housing on one level in just 3.5 mm. This achieves a width of just 1.75 mm versus standard through terminal blocks. Input and output of a circuit are placed on the same side of the terminal block. Both circuits can be individually marked according to input and output.



Standard and quick marking options:

Three marker slots are available for both individual markers and marking strips.

## Marking strip; plain; 11 mm wide; 50 m reel

white

2009-110

WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel



2009-113

WMB marking card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width



793-3501



2009-193 Group Marker Carrier (equipped with marking strips) for all 2001 to 2016 Series Rail-Mount Terminal Blocks TOPJOB® S Do not use on an end plate!



Standard and quick marking options:

Four marker slots (double-potential terminal blocks) are available for both individual markers and marking strips.



## Through Terminal Block, Ground Conductor Terminal Block, Shield Conductor Terminal Block, Double-Potential Terminal Block TOPJOB® S

1.5 (2.5) mm<sup>2</sup>; 2001 Series

Technical Data		
0.25 1.5 (2.5) mm <sup>2</sup>	22 14 AWG	
800 V / 8 kV / 3 2	600 V, 15 A <b>9</b>	
I <sub>N</sub> 17.5 A (24 A)	600 V, 15 A@	
Terminal block width: 4.2 mm / 0.165 inch		
9 11 mm / 0.35 0.43 inch		

Technical Data		
0.25 1.5 (2.5) mm <sup>2</sup>	22 14 AWG	
800 V / 8 kV / 3 2	600 V, 15 A <b>RL</b>	
I <sub>N</sub> 17.5 A (24 A)	600 V, 15 A@	
Terminal block width: 4.2 mm / 0.165 inch		
2 2 3 11 mm / 0.35 0.43 inch		

Technical Data		
0.25 1.5 (2.5) mm <sup>2</sup>	22 14 AWG	
800 V / 8 kV / 3 <b>2</b>	600 V, 15 A <b>RL</b>	
I <sub>N</sub> 17.5 A (24 A)	600 V, 15 A@	
Terminal block width: 4.2 mm / 0.165 inch		
9 11 mm / 0.35 0.43 inch		





3-conductor through terminal block

Other terminal blocks with the same profile:

Separator; oversized; 2 mm thick

Diode

LED



48,5 mm/1.91 in —►				
2-conductor through terminal block				
Color	Item No.	Pack. Unit		
○ gray ⑤	2001-1201 4	100		
oblue 😉	2001-1204 3 4	100		
orange 😡	2001-1202 4	100		
red 😡	2001-1203 4	100		
● black ⓑ	2001-1205 4	100		
yellow 🛭	2001-1206 4	100		
odark gray-yellow 😉	2001-1201/000-053 4	100		
2-conductor ground terminal block				
green-yellow 🗟	2001-1207 4	100		
2-conductor shield terminal block				

Color	Item No.	Pack. Unit	
gray      ⊕	2001-1301 4	100	
■ blue   □	2001-1304 🔞 🐠	100	
orange 🛭	2001-1302 4	100	
red &	2001-1303 4	100	
● black ⓑ	2001-1305 4	100	
o yellow 🗟	2001-1306 4	100	
O dark gray-yellow 🗟	2001-1301/000-053 4	100	
3-conductor ground terminal block			

Color	Item No.	Pack. Unit
○ gray ⑤	2001-1401 4	100
■ blue   □	2001-1404 🔞 🐠	100
orange 🗟	2001-1402 4	100
ered 🗟	2001-1403 4	100
■ black   ⑤	2001-1405 4	100
o yellow 🗟	2001-1406 4	100
odark gray-yellow 🗟	2001-1401/000-053 4	100

4-conductor through terminal block

4-conductor ground terminal block

Diode

0 3 7				
2-conductor shield te	rminal block			
white	2001-1208	100		
Other terminal blocks with the same profile:				
Diode	2001-1211/1000-411	Page 152		
Association item on	ooifio			

3-conductor shield terminal block			
O white	2001-1308	100	

100

2001-1311/1000-411 Page 152

2001-1321/1000-434 Page 152

4-conductor shield ter	rminal block	
O white	2001-1408	100

Other terminal blocks with the same profile:

orange

100

Page 152

100 (25)

100 (25)

2001-1411/1000-411 Page 152

2001-1421/1000-434

2002-1494

2002-1493

Accessories;	item-specific		
End and inter	mediate plate; 0.	8 mm thick	
	orange	2002-1292	100 (25)
	gray	2002-1291	100 (25)
Separator; ov	ersized; 2 mm th	ick	
	orange	2002-1294	100 (25)
	gray	2002-1293	100 (25)
Ev a/Ev i congrator: orango: 2 mm thick			

Accessories; item-specific				
End and interr	mediate plate; 0.8	8 mm thick		
	orange	2002-1392	100 (25)	
	gray	2002-1391	100 (25)	

Accessories;	item-specific			
End and intern	mediate plate; 0	.8 mm thick		
	orange	2002-1492	100 (25)	
	gray	2002-1491	100 (25)	
Separator; oversized; 2 mm thick				

	orange	2002-1294	100 (25)	
	gray	2002-1293	100 (25)	
Ex e/Ex i sepa	x e/Ex i separator; orange; 3 mm thick			
	90 mm	209-190	50 (25)	
	120 mm	209-191	50 (25)	
1				
Accessories: 2001 Series				

	orange	2002-1394	100 (25)
	gray	2002-1393	100 (25)
Ex e/Ex i sepa	rator; orange; 3	mm thick	
	120 mm	209-191	50 (25)

Ex e/Ex i sep	parator; orange	; 3 mm thick		
V V	120 mm	209-191	50 (25)	

Appropriate marking systems: WMB/WMB Inline/Marking strips

Insulation stop; 5 pcs/strip; 0.25 0.5 mm²				
mm	light gray	2001-171	200 (25)	
Protective warning marker; with black high-voltage symbol; for 5 terminal blocks				
	yellow	2001-115	100 (25)	

Push-in type jumper bar; insulated; I <sub>N</sub> 17.5 A; light gray				
-	2-way	2001-402	25	
T. T.	3-way	2001-403	25	
Direct	4-way	2001-404	25	
	5-way	2001-405	25	
	6-way	2001-406	25	
	7-way	2001-407	25	
	8-way	2001-408	25	
	9-way	2001-409	25	
	10-way	2001-410	25	

Push-in type	jumper bar; ins	sulated; I <sub>N</sub> 17.5	A; light gray
-	1 to 3	2001-433	25
V	1 to 4	2001-434	25
1 -	1 to 5	2001-435	25
	1 to 6	2001-436	25
	1 to 7	2001-437	25
	1 to 8	2001-438	25
	1 to 9	2001-439	25
	1 to 10	2001-440	25



THEFT

#### **Technical Data**

Terminal block width: 4.2 mm / 0.165 inch

2 9 ... 11 mm / 0.35 ... 0.43 inch



Double-potential terminal block; with push-button; with double, center marking slot

Notice: This double potential terminal block cannot be commoned with push-in type jumper bars!

 Color
 Item No.
 Pack. Unit

 gray @
 2001-1441 (4)
 100

- Conductor range: 0.25 ... 2.5 mm² "s+f-st"; Push-in termination: 0.75 ... 2.5 mm² "s" and 0.75 ... 1.5 mm² "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 800 V = rated voltage8 kV = rated impulse voltage3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications.
  550 V; 17 A
  16 A jumper
  Double-potential terminal block 550 V; 15 A

Please observe the application notes: Separator for Ex e/Ex i applications, see page 47 Step-down jumpers, see page 51 Jumpers, from page 185 Testing accessories, from page 176 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

light gray

#### Accessories; 2001 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

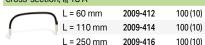
Step-down jumper; insulated; commons 6/4 mm² (10/12 AWG) to 4/2.5/1.5 mm² (12/14/16 AWG);  $I_N$  32 A

H

2006-499 25



# Push-in type wire jumper; insulated; 1.5 mm $^{2}$ conductor cross-section; $I_{N}$ 18 A



Modular connector; snaps together; for jumper contact slot



gray 2001-511 100 (25)

# Spacer module; snaps together; bridges commoned terminal blocks



gray **2001-549** 100 (25)

#### Test plug adapter; for 4 mm Ø test plug; $I_N$ 10 A



gray 2009-174 100 (25)

## Testing tap; for max. 2.5 mm<sup>2</sup>



gray 2009-182 100 (25)

#### Marking strip; plain; 11 mm wide; 50 m reel



white 2009-110 1

Delta jumper; insulated;  $I_N$  =  $I_N$  terminal block; light gray



Accessories; item-specific

End and intermediate plate; 0.9 mm thick

orange

gray

Separator; oversized; 2 mm thick

grav

orange

1-2 3-4 5-6 **2001-406/020-000** 

2002-1492

2002-1491

2002-1494

2002-1493

100 (25)

100 (25)

100 (25)

100 (25)

Star point jumper; insulated;  $I_N$  =  $I_N$  terminal block; light gray



1-3-5 **2001-405/011-000** 25

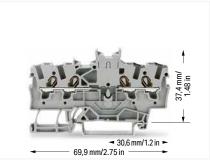
# WMB Inline; plain; 2,000 WMB markers (4 mm)/reel; 4 ... 4.2 mm stretchable



white 2009-114 1

WMB marking card; white; 10 strips with 10 markers/card;  $4\dots4.2$  mm stretchable





Notice: These double-potential terminal blocks cannot be commoned with push-in type jumper bars!
Front-entry double-potential terminal blocks are space savers. Two independent feedthrough circuits are placed in one insulated housing on one level in just 4.2 mm. This achieves a width of just 2.1 mm versus standard through terminal blocks. Input and output of a circuit are placed on the same side of the terminal block. Both circuits can be individually marked according to input and output.

## Through Terminal Block, Ground Conductor Terminal Block, Shield Conductor Terminal Block, Double-Potential Terminal Block TOPJOB® S

2.5 (4) mm<sup>2</sup>; 2002 Series

Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
	600 V, 20 A 👊	
I <sub>N</sub> 24 A (32 A)	600 V, 20 A@	
Terminal block width: 5.2 mm / 0.205 inch		
■ 10 12 mm / 0.39 .	0.47 inch	

Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
800 V / 8 kV / 3 2	600 V, 20 A <b>RL</b>	
I <sub>N</sub> 24 A (32 A)	600 V, 20 A@	
Terminal block width: 5.2 mm / 0.205 inch		
■ 10 12 mm / 0.39	0.47 inch	

Technical Data			
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG		
800 V / 8 kV / 3 2	600 V, 20 A 👊		
I <sub>N</sub> 24 A (32 A)	600 V, 20 A@		
Terminal block width: 5.2 mm / 0.205 inch			
10 12 mm / 0.39 0.47 inch			







19,9mm/0.78in 48,5 mm/1.91 in				
2-conductor through terminal block				
Color	Item No.	Pack. Unit		
gray	2002-1201 4	100		
■ blue ⑤	2002-1204 3 4	100		
orange 🗟	2002-1202 4	100		
red 😉	2002-1203 4	100		
■ black   ⑤	2002-1205 4	100		
o yellow 🗟	2002-1206 4	100		
2-conductor ground terminal block				
green-yellow 😡	2002-1207 4	100		

Color	Item No.	Pack. Unit
gray      ⊕	2002-1301 4	100
oblue 😡	2002-1304 3 4	100
orange 🗟	2002-1302 4	100
red 😉	2002-1303 4	100
● black ®	2002-1305 4	100
yellow 🗟	2002-1306 4	100

3-conductor through terminal block

3-conductor ground terminal block

LED

Color	Item No.	Pack. Unit
◯ gray 🗟	2002-1401 4	100
O blue 😡	2002-1404 3 4	100
orange 🛭	2002-1402 4	100
ered 😡	2002-1403 4	100
● black ⓑ	2002-1405 4	100
yellow 🖾	2002-1406 4	100
● brown ⑤	2002-1401/000-014	100

4-conductor through terminal block

4-conductor ground terminal block 

2-conductor shield terminal block				
O white	2002-1208	100		
Other terminal blocks with the same profile:				
Diode	2002-1211/1000-411	Page 156		

g	reen-yellow 😉	2002-1307	100	
3-cor	nductor shield ter	minal block		
O w	hite	2002-1308	100	
Other terminal blocks with the same profile:				
Diode	9	2002-1311/1000-411	Page 156	

2002-1321/1000-434 Page 156

	4-conductor shield terminal block		
	O white	2002-1408	100
Other terminal blocks with the same profile:			
	Diode	2002-1411/1000-411	Page 156

2002-1421/1000-434

100

Accessories; i	tem-specific			
End and intern	nediate plate; 0.8	3 mm thick		
	orange	2002-1292	100 (25)	
	gray	2002-1291	100 (25)	
Separator; oversized; 2 mm thick				
	orange	2002-1294	100 (25)	
	gray	2002-1293	100 (25)	
Ex e/Ex i separator; orange; 3 mm thick				
	90 mm	209-190	50 (25)	
	120 mm	209-191	50 (25)	
11				

Accessories; item-specific					
End and interr	mediate plate; 0.8	8 mm thick			
	orange	2002-1392	100 (25)		
	gray	2002-1391	100 (25)		
Senarator: oversized: 2 mm thick					

	Accessories; item-specific				
End and intermediate plate; 0.8 mm thick					
	orange	2002-1492	100 (25)		
	gray	2002-1491	100 (25)		
Separator; oversized; 2 mm thick					
		orange	2002-1494	100 (25)	

2002-1394	100 (25)
2002-1393	100 (25)
ange; 3 mm thick	
n <b>209-191</b>	50 (25)
	2002-1393 ange; 3 mm thick

	gray	2002-1493	100 (25)	
Ex e/Ex i sep	arator; orange;	3 mm thick		
	120 mm	209-191	50 (25)	

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Insulation stop; 5 pcs/strip; 0.25 0.5 mm <sup>2</sup>				
ann	light gray	2002-171	200 (25)	
Insulation sto	p; 5 pcs/strip;	0.75 1 mm <sup>2</sup>		
- 0	dark gray	2002-172	200 (25)	

Push-in type	jumper bar; insu	lated; I <sub>N</sub> 25 A; I	light gray
	2-way	2002-402	25
111	3-way	2002-403	25
Lice	4-way	2002-404	25
	5-way	2002-405	25
	6-way	2002-406	25
	7-way	2002-407	25
	8-way	2002-408	25
	9-way	2002-409	25
	10-way	2002-410	25

Push-in type j	jumper bar; insu	lated; I <sub>N</sub> 25 A; I	ight gray
-	1 to 3	2002-433	25
	1 to 4	2002-434	25
1	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 7	2002-437	25
	1 to 8	2002-438	25
	1 to 9	2002-439	25
	1 to 10	2002-440	25

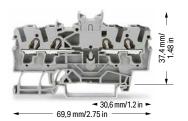
00000

#### **Technical Data**

0.25 ... 2.5 (4) mm<sup>2</sup> 1 800 V / 8 kV / 3 2 I<sub>N</sub> 24 A (32 A) 22 ... 12 AWG 600 V, 20 A**RA** 600 V, 20 A®

Terminal block width: 5.2 mm / 0.205 inch

2 10 ... 12 mm / 0.39 ... 0.47 inch



Double-potential terminal block; with double, center marking slot

Notice: This double potential terminal block cannot be commoned with push-in type jumper bars!

 Color
 Item No.
 Pack. Unit

 gray ©
 2002-1441 (4)
 100

Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 800 V = rated voltage8 kV = rated impulse voltage3 = pollution degree
- **3** Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications.
  550 V; 22 A

Double-potential terminal block 550 V; 21 A 20 A jumper

Please observe the application notes: Separator for Ex e/Ex i applications, see page 47 Step-down jumpers, see page 51 Jumpers, from page 182 Testing accessories, from page 177 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Continuous jumper; insulated; I<sub>N</sub> 25 A, light gray

2-way 2002-400 2

#### Continuous jumper; insulated; I<sub>N</sub> 25 A; light gray

1 to 3	2002-423	25
1 to 4	2002-424	25

## Continuous jumper; insulated; I<sub>N</sub> 25 A, light gray

	3-way	2002-413	25
0.0	5-way	2002-415	25

# Step-down jumper; insulated; commons 6/4 mm² (10/12 AWG) to 4/2.5/1.5 mm² (12/14/16 AWG); $\rm I_N$ 32 A

A

2006-499

25

### Accessories; item-specific

## End and intermediate plate; 0.9 mm thick

 orange	2002-1492	100 (25)
gray	2002-1491	100 (25)

#### Separator; oversized; 2 mm thick

_	orange	2002-1494	100 (25)
	gray	2002-1493	100 (25)

## Staggered jumper; insulated; $I_N$ 25 A; light gray

light gray

2-way	2002-472	25	
3-way	2002-473	25	
4-way	2002-474	25	
5-way	2002-475	25	
6-way	2002-476	25	
7-way	2002-477	25	
8-way	2002-478	25	
9-way	2002-479	25	
10-way	2002-480	25	
11-way	2002-481	25	
12-way	2002-482	25	

Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing;  $I_N$  25 A; light gray

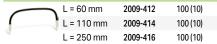


1-3	2002-473/011-000	25
1-3-5	2002-475/011-000	25
1-3-5-7	2002-477/011-000	25
1-3-5-7-9	2002-479/011-000	25
1-3-5-7-9-11	2002-481/011-000	25

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

# Push-in type wire jumper; insulated; 1.5 mm $^{2}$ conductor cross-section; $I_{N}$ 18 A



# Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow 2002-115 100 (25)

# Modular connector; snaps together; for jumper contact slot



#### L-type test plug module; snaps together



## L-type spacer module; snaps together; bridges commoned terminal blocks

gray	2002-649	100 (25)
------	----------	----------

#### Test plug adapter; for 4 mm Ø test plug; $I_N$ 10 A



#### Testing tap; for max. 2.5 mm<sup>2</sup>

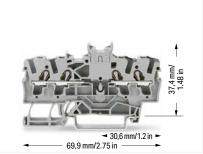
ung tap,	101 IIIax. 2.5 II	1111-	
	gray	2009-182	100 (25)

#### Marking strip; plain; 11 mm wide; 50 m reel

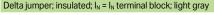


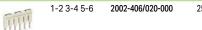
# WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

plain **793-5501** 5



Notice: These double-potential terminal blocks cannot be commoned with push-in type jumper bars! Front-entry double-potential terminal blocks are space savers. Two independent feedthrough circuits are placed in one insulated housing on one level in just 5.2 mm. This achieves a width of just 2.6 mm versus standard through terminal blocks. Input and output of a circuit are placed on the same side of the terminal block. Both circuits can be individually marked according to input and output.





Star point jumper; insulated;  $I_{\rm N}$  =  $I_{\rm N}$  terminal block; light gray



1-3-5 **2002-405/011-000** 25

# Through Terminal Block, Ground Conductor Terminal Block, Shield Conductor Terminal Block, TOPJOB® S

2.5 (4) mm<sup>2</sup>; 2002 Series

#### 



3-conductor through terminal block			
Color	Item No.	Pack. Unit	
○ gray ⓑ	2002-6301 4	100	
■ blue ⑤	2002-6304 3 4	100	
orange 🗟	2002-6302 4	100	
red 😡	2002-6303 4	100	
■ black   ⑤	2002-6305 4	100	
yellow @	2002-6306 4	100	

o defiduotes ground terminal brook				
green-yellow &	2002-6307 4	100		
3-conductor shield terminal block				

2002-6308

100

#### Accessories; 2002 Series

O white

3-conductor ground terminal block

Appropriate marking systems: WMB/WMB Inline/Marking strips

End and intermediate plate; 0.8 mm thick			
	orange	2002-6392	100 (25)
	gray	2002-6391	100 (25)

Ex e/Ex i separator; orange; 3 mm thick			
	120 mm	209-191	50 (25)

Insulation stop; 5 pcs/strip; 0.25 0.5 mm <sup>2</sup>				
mm	light gray	2002-171	200 (25)	

Insulation stop; 5 pcs/strip; 0.75 1 mm <sup>2</sup>			
00000	dark gray	2002-172	200 (25)

Protective warning marker; with black high-voltage
symbol; for 5 terminal blocks

	yellow	2002-115	100 (25)
THEFT			

Push-in type j	umper bar; insul	ated; I <sub>N</sub> 25 A; Ii	ght gray
	2-way	2002-402	25
TIVE	3-way	2002-403	25
Lie	4-way	2002-404	25
	5-way	2002-405	25
	6-way	2002-406	25
	7-way	2002-407	25
	8-way	2002-408	25
	9-way	2002-409	25
	10-way	2002-410	25

Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 800 V = rated voltage8 kV = rated impulse voltage3 = pollution degree
- 3 Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications.
  550 V; 22 A
  20 A jumper

Please observe the application notes: Separator for Ex e/Ex i applications, see page 47 Jumpers, from page 182 Testing accessories, from page 177 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Push-in type j	umper bar; insul	ated; I <sub>N</sub> 25 A; Ii	ght gray
-	1 to 3	2002-433	25
	1 to 4	2002-434	25
1	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 7	2002-437	25
	1 to 8	2002-438	25
	1 to 9	2002-439	25
	1 to 10	2002-440	25

#### Delta jumper; insulated; $I_N = I_N$ terminal block; light gray 1-2 3-4 5-6 2002-406/020-000 2



Star point jumper; insulated;  $I_N$  =  $I_N$  terminal block; light gray

# 1-3-5 **2002-405/011-000** 25

Staggered jun	nper; insulated; I <sub>N</sub>	25 A; light gra	ау
125/00	2-way	2002-472	25
E E	3-way	2002-473	25
11	4-way	2002-474	25
	5-way	2002-475	25
	6-way	2002-476	25
	7-way	2002-477	25
	8-way	2002-478	25
	9-way	2002-479	25
	10-way	2002-480	25
	11-way	2002-481	25
	12-way	2002-482	25
0	1.5	200 100 100 20	

Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing;  $I_N$  25 A; light gray

	light gray				
1. 北京世際東	1-3	2002-473/011-000	25		
	1-3-5	2002-475/011-000	25		
	1-3-5-7	2002-477/011-000	25		
		1-3-5-7-9	2002-479/011-000	25	
		1-3-5-7-9-11	2002-481/011-000	25	
	Continuous jumper; insulated; I <sub>N</sub> 25 A, light gray				
		2-way	2002-400 25		

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Continuous ju	mper; insulat	ed; I <sub>N</sub> 25 A; 1 to	3	
	light gray	2002-423	25	
	red	2002-423/00	0-005	25
	blue	2002-423/00	0-006	25

# Push-in type wire jumper; insulated; 1.5 mm $^{2}$ conductor cross-section; $I_{N}$ 18 A

	L = 60 mm	2009-412	100 (10)
	L = 110 mm	2009-414	100 (10)
4	L = 250 mm	2009-416	100 (10)

Modular connector; snaps together; for jumper contact
slot



## Spacer module; snaps together; bridges commoned terminal blocks

185	gray	2002-549	100 (25)

## L-type test plug module; snaps together

AGA.	gray	2002-611	100 (25)
4			

# L-type spacer module; snaps together; bridges commoned terminal blocks



# Test plug adapter; for 4 mm Ø test plug; I<sub>№</sub> 10 A gray 2009-174 100 (25)

Testing tap:	for max. 2.5	mm²	
	gray	2009-182	100 (25)

Marking strip; plain; 11 mm wide; 50 m reel				
0.	white	2009-110	1	

# WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

5 5.2 mm	stretchable			
•	white	2009-115	1	

WMB marking card; white; 10 strips with 10 markers/card;  $5\dots5.2\ mm$  stretchable





## Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S 2.5 (4) mm<sup>2</sup>; 2002 Series

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 800 V / 8 kV / 3 1 600 V, 20 A 94 I<sub>N</sub> 24 A (32 A) 600 V, 20 A@ Terminal block width: 5.2 mm / 0.205 inch E 10 ... 12 mm / 0.39 ... 0.47 inch



4-conductor through terminal block Notice: This terminal block cannot be commoned with push-in type jumper bars!

Color	Item No.	Pack. Unit
○ gray ⓑ	2002-6401 4	100
blue 😡	2002-6404 3 4	100
orange 🗟	2002-6402 4	100
ed 😡	2002-6403 4	100
● black ⓑ	2002-6405 4	100
yellow @	2002-6406 4	100

4-conductor ground terminal block		
green-yellow 🛭	2002-6407 4	100

### Accessories: 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

orange	2002-6392	100 (25)
gray	2002-6391	100 (25)

#### Ex e/Ex i separator; orange; 3 mm thick



#### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

light gray 2002-171 200 (25) mm

#### Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>



Protective warning marker; with black high-voltage symbol: for 5 terminal blocks

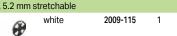
2002-115 min

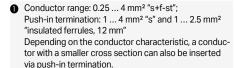
Marking strip; plain; 11 mm wide; 50 m reel 2009-110

white

WMB Inline, plain; 1,500 WMB markers (5 mm)/reel;

1





- 2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II 550 V; 22 A 20 A jumper

Please observe the application notes: Separator for Ex e/Ex i applications, see page 47 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

WMB marking card; white; 10 strips with 10 markers/card; ... 5.2 mm stretchable

793-5501



3- and 4-conductor terminal blocks (angled type): WAGO's Rail-Mount Terminal Blocks TOPJOB® S have a 35-degree conductor entry angle permitting a very small bend radius and an extremely short wiring distance to the cable duct. These are space- and cost-saving solutions for switchgear and control cabinet applications that use the LSC wiring system from Lütze. The design allows cable duct to be placed very close to the terminal blocks, keeping its height relatively low.

#### Product features:

- Push-in CAGE CLAMP® connection for all conductor types, with the additional benefit of solid, stranded and fine-stranded conductors with ferrules being simply pushed in
- Vibration-proof, fast, maintenance-free
- 3-conductor through and ground conductor terminal blocks equipped with a dual jumper slot
- 4-conductor terminal blocks permit potential multiplication - no additional jumpers or terminal blocks needed
- 3- and 4-conductor terminal blocks have the same dimensions.
- An end plate must be applied when changing from a 3-conductor terminal block to a 4-conductor terminal block and vice versa.

## Through Terminal Block, Ground Conductor Terminal Block, Shield Conductor Terminal Block TOPJOB® S

4 (6) mm<sup>2</sup>; 2004 Series

Technical Data			
	20 10 AWG		
800 V / 8 kV / 3 2	600 V, 30 A <b>RL</b>		
I <sub>N</sub> 32 A (41 A)	600 V, 30 A@		
Terminal block width: 6.2 mm / 0.244 inch			
11 13 mm / 0.43 0.51 inch			

Technical Data		
0.5 4 (6) mm <sup>2</sup>	20 10 AWG	
	600 V, 30 A <b>RA</b>	
I <sub>N</sub> 32 A (41 A)	600 V, 30 A@	
Terminal block width: 6.2 mm	n / 0.244 inch	
11 13 mm / 0.43 0.51 inch		

Technical Data		
0.5 4 (6) mm <sup>2</sup>	20 10 AWG	
800 V / 8 kV / 3 2	600 V, 30 A <b>N</b>	
I <sub>N</sub> 32 A (41 A)	600 V, 30 A@	
Terminal block width: 6.2 mm / 0.244 inch		
11 13 mm / 0.43 0.51 inch		



2-conductor through terminal block		
Color	Item No.	Pack. Unit
gray 😡	2004-1201 4	50
oblue 😉	2004-1204 3 4	50
orange 😡	2004-1202 4	50
ered 😡	2004-1203 4	50
● black ⓑ	2004-1205 4	50
o yellow 🛭	2004-1206 4	50

2-conductor ground t	terminal block	
green-yellow 🗟	2004-1207 4	50



3-conductor through terminal block		
Color	Item No.	Pack. Unit
○ gray ⓑ	2004-1301 4	50
■ blue   □	2004-1304 🔞 🐠	50
orange 🛭	2004-1302 4	50
ered 😡	2004-1303 4	50
● black ⑤	2004-1305 4	50
yellow 🗟	2004-1306 4	50





4-conductor through t	erminal block		
Color	Item No.	Pack. Unit	
○ gray ⓑ	2004-1401 4	50	
oblue 🗟	2004-1404 3 4	50	
orange 🗟	2004-1402 4	50	
red 😉	2004-1403 4	50	
● black ⑤	2004-1405 4	50	
o yellow 🗟	2004-1406 4	50	

4-conductor ground terminal block			
	green-yellow 🗟	2004-1407 4	50

2004-1408

4-conductor shield terminal block

Other terminal blocks with the same profile:

white

Other terminal blocks with the same profile:			
Diode	2004-1211/1000-401	Page 158	[
Accessories; item-specific			A
End and intermediate plate; 1 mm thick			E
orange	2004-1292	100 (25)	

	gray	2004-1291	100 (25)	
Separator; o	oversized; 2 mn	n thick		S
-	orange	2004-1294	100 (25)	
	gray	2004-1293	100 (25)	
Ex e/Ex i separator: orange: 3 mm thick				

Ex e/Ex i separator; orange; 3 mm thick						
	90 mm	209-190	50 (25)			
	120 mm	209-191	50 (25)			
1						

Other termina	l blocks v	with the	same profile:		
Diode		2004-13	11/1000-401	Page 158	
Accessories; i	tem-spe	ecific			
End and intern	nediate p	olate; 1 r	nm thick		
	orange		2004-1392	100 (25)	
	gray		2004-1391	100 (25)	
Separator; ove	ersized; 2	2 mm thi	ck		
	orange		2004-1394	100 (25)	
	gray		2004-1393	100 (25)	
Ex e/Ex i separator; orange; 3 mm thick					
	120 mm	า	209-191	50 (25)	

D	Page 158	1
A		
E		
	100 (25)	
	100 (25)	
S		
	100 (25)	
	100 (25)	
E		

Diode		2004-1411/1000-401	Page 158		
Accessories;	item-sp	ecific			
End and inter	mediate	plate; 1 mm thick			
	orange	2004-1492	100 (25)		
	gray	2004-1491	100 (25)		
Separator; oversized; 2 mm thick					
	orange	2004-1494	100 (25)		

-	orange	2004-1494	100 (25)
	gray	2004-1493	100 (25)
Ex e/Ex i sepa	arator; orange; 3	mm thick	
	120 mm	209-191	50 (25)

#### Accessories; 2004 Series

Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup> 2004-171 200 (25) light gray mm

Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup> 2004-172 200 (25) 00000

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

2004-115 THEF

Delta jumper; insulated;  $I_N = I_N$  terminal block; light gray 2004-406/020-000 25

1-2 3-4 5-6

Appropriate marking systems: WMB/WMB Inline/Marking strips

Push-in type jumper bar; insulated; I <sub>N</sub> 32 A; light gray					
-	2-way	2004-402	25		
THE STATE OF THE S	3-way	2004-403	25		
Disc	4-way	2004-404	25		
	5-way	2004-405	25		
	6-way	2004-406	25		
	7-way	2004-407	25		
	8-way	2004-408	25		
	9-way	2004-409	25		
	10-way	2004-410	25		
Star point jumper; insulated; $I_N = I_N$ terminal block; light gray				ht	
7.77	1_2_5	2004-405/011	1-000	25	

Push-in type	jumper bar; ins	sulated; I <sub>N</sub> 32 A;	light gray	
-	1 to 3	2004-433	25	
V	1 to 4	2004-434	25	
1	1 to 5	2004-435	25	
	1 to 6	2004-436	25	
	1 to 7	2004-437	25	
	1 to 8	2004-438	25	
	1 to 9	2004-439	25	
	1 to 10	2004-440	25	
Step-down jumper; insulated; commons 6/4 mm² (10/12 AWG) to 4/2.5/1.5 mm² (12/14/16 AWG); $I_N$ 32 A				
	light grav	2006-499	25	



- Conductor range: 0.5 ... 6 mm² "s+f-st"; Push-in termination: 1.5 ... 6 mm² "s" and 1.5 ... 4 mm² "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 800 V = rated voltage8 kV = rated impulse voltage3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications.
  550 V; 30 A

Please observe the application notes: Separator for Ex e/Ex i applications, see page 47 Step-down jumpers, see page 51 Jumpers, from page 185 Testing accessories, from page 178 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2004 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

## Modular connector; snaps together; for jumper contact



gray

2004-511

100 (25)

# Spacer module; snaps together; bridges commoned terminal blocks



gray

gray

2004-549

100 (25)

### Test plug adapter; for 4 mm Ø test plug; $I_{\text{\tiny N}}$ 10 A



2009-174

100 (25)

## Testing tap; for max. 2.5 mm<sup>2</sup>



gray

2009-182

100 (25)

#### Marking strip; plain; 11 mm wide; 50 m reel



white 2009-110

# WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable



plain

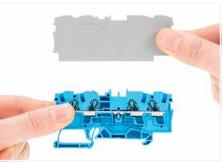
793-5501



Through terminal blocks with a blue insulated housing are suitable for Ex i applications.



All through and ground conductor terminal blocks are suitable for Ex e II applications.



Separator for Ex e/Ex i applications:

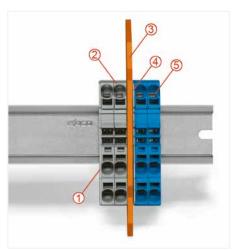
An end plate must be applied to the terminal block located directly behind an Ex e/Ex i separator plate.



Ex e II/Ex i terminal strip

#### Notice:

The movable feet of terminal blocks and separator plates must face the same direction.



Separator located between Ex e II and Ex i terminal strip

- ① End plate
- 2 Ex e II terminal blocks
- 3 Separator for Ex e/Ex i applications
- 4 End plate
- ⑤ Ex i terminal blocks



### Example of marking (rear):

The embossed details on the terminal blocks show the manufacturer's name, the series no., the type of protection Ex e II, the approval no., the approval data and the name of the testing authority.



47

## Through Terminal Block, Ground Conductor Terminal Block, Shield Conductor Terminal Block TOPJOB® S

6 (10) mm<sup>2</sup>; 2006 Series

Technical Data					
0.5 6 (10) mm <sup>2</sup>	20 8 AWG				
800 V / 8 kV / 3 2	600 V, 50 A <b>RL</b>				
I <sub>N</sub> 41 A (57 A)	600 V, 50 A@				
Terminal block width: 7.5 mm / 0.295 inch					
13 15 mm / 0.51	1315 mm / 0.51 0.59 inch				

Technical Data					
	20 8 AWG				
800 V / 8 kV / 3 2	600 V, 50 A <b>RL</b>				
I <sub>N</sub> 41 A (57 A)	600 V, 50 A®				
Terminal block width: 7.5 mm / 0.295 inch					
	0.50: 1				





-		13,3111111.	2.03 111
conductor	through	terminal	block

_		
Color	Item No.	Pack. Unit
○ gray ⓑ	2006-1301 4	25
oblue 😡	2006-1304 3 4	25
orange 🗟	2006-1302 4	25
ered 😡	2006-1303 4	25
● black ⓑ	2006-1305 4	25
o yellow 🛭	2006-1306 4	25

1 Conductor range: 0.5 ... 10 mm<sup>2</sup> "s+f-st"; Push-in termination: 2.5 ... 10 mm<sup>2</sup> "s" and Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted

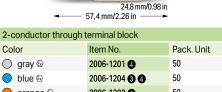
- 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- 4 Terminal blocks with an Ex mark are suitable for Ex e II 550 V; 38 A; for 2-conductor terminal blocks 550 V; 36 A; for 3-conductor terminal blocks 33 A jumper

Please observe the application notes: Separator for Ex e/Ex i applications, see page 47 Step-down jumpers, see page 51 Jumpers, from page 185 Testing accessories, from page 178 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



Cover (Item No. 2006-191) seals unused conductor entry.



	orange 🗟	2006-1202 4	50		orange 🗟	2006-1302 4	25
	red 🗟	2006-1203 4	50		red 🗟	2006-1303 4	25
					black 🗟	2006-1305 4	25
				$\bigcirc$	yellow 🗟	2006-1306 4	25
2-0	conductor ground to	erminal block		3-с	onductor ground to	erminal block	
	green-yellow 🗟	2006-1207 4	50		green-yellow 🗟	2006-1307 4	25

50

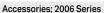


2006-1208

Separator; oversized; 2 mm thick							
-	orange	2006-1294	100 (25)				
	gray	2006-1293	100 (25)				

Accessories; item-specific						
End and intermediate plate; 1 mm thick						
	orange	2006-1392	100 (25)			
	gray	2006-1391	100 (25)			

Separator; oversized; 2 mm thick						
	orange	2006-1394	100 (25)			
	gray	2006-1393	100 (25)			



Ex e/Ex i separator; orange; 3 mm thick

2-conductor shield terminal block

O white

Appropriate marking systems: WMB/WMB Inline/Marking strips

	120 mm	209-191	50 (25)	
Push-in type	e jumper bar; in	sulated; I <sub>N</sub> 41 A	; light gra	у
	2-way	2006-402	25	
YY	3-way	2006-403	25	
	4-way	2006-404	25	
	5-way	2006-405	25	
Push-in type	e jumper bar; in	sulated; I <sub>N</sub> 41 A	; light gra	у
-	1 to 3	2006-433	25	
Y	1 to 4	2006-434	25	
	1 to 5	2006-435	25	
Star point ju	mper; insulated;	$I_N = I_N \text{ terminal } I$	olock; ligh	nt gray
	1-3-5	2006-405/01	1-000	25

THEY		2000		
Sten-down iu	mnor incula	ted comm	one 6/4 mm <sup>2</sup>	

(10/12 AWG) to 4/2.5/1.5 mm<sup>2</sup> (12/14/16 AWG); I<sub>N</sub> 32 A light gray 2006-499 25



Modular connector; snaps together; for jumper contact 2006-511 50 (25)

Test plug adapter; for 4 mm Ø test plug;  $I_N$  10 A 2009-174 100 (25) gray

2009-110



Commoning with step-down jumpers.

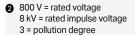
## Through Terminal Block, Ground Conductor Terminal Block, Shield Conductor Terminal Block TOPJOB® S

10 (16) mm<sup>2</sup>; 2010 Series

Technical Data					
	20 6 AWG				
800 V / 8 kV / 3 2	600 V, 65 A <b>RL</b>				
I <sub>N</sub> 57 A (76 A)	600 V, 65 A@				
Terminal block width: 10 mm / 0.394 inch					
17 19 mm / 0.67 0.75 inch					

Technical Data					
0.5 10 (16) mm <sup>2</sup>	20 6 AWG				
800 V / 8 kV / 3 2	600 V, 65 A <b>91</b>				
I <sub>N</sub> 57 A (76 A)	600 V, 65 A®				
Terminal block width: 10 mm / 0.394 inch					
17 19 mm / 0.67 0.75 inch					

Conductor range: 0.5 ... 16 mm2 "s+f-st"; Push-in termination: 4 ... 16 mm<sup>2</sup> "s" and 4 ... 10 mm<sup>2</sup> "insulated ferrules; 18 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.



Terminal blocks with a blue insulated housing are suitable for Exiapplications.

Terminal blocks with an Ex mark are suitable for Ex e II applications 550 V; 51 A; for 2-conductor terminal blocks

550 V; 50 A; for 3-conductor terminal blocks

Please observe the application notes: Separator for Ex e/Ex i applications, see page 47 Step-down jumpers, see page 51 Jumpers, from page 185 Testing accessories, from page 178 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



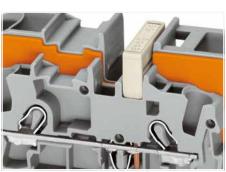
2-conductor through terminal block						
Color	Item No.	Pack. Unit				
○ gray ⑤	2010-1201 4	25				
oblue ©	2010-1204 3 4	25				
orange 😡	2010-1202 4	25				
● black ©	2010-1205 4	25				
yellow 😉	2010-1206 4	25				
○ light gray ⑤	2010-1209 4	25				
odark gray-yellow 🗟	2010-1201/000-053 4	25				



3-conductor through terminal block						
Color	Item No.	Pack. Unit				
○ gray ⑤	2010-1301 4	25				
oblue 😉	2010-1304 3 4	25				
orange 😡	2010-1302 4	25				
ered 🗟	2010-1303 4	25				
● black ⓑ	2010-1305 4	25				
o yellow 6	2010-1306 4	25				
O light gray @	2010-1309 4	25				
ark gray-yellow 🛭	2010-1301/000-053	25				



Accessories: item-specific



Commoning with step-down jumpers.

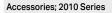
Accessories; item-specific							
End and intermediate plate; 1 mm thick							
	orange	2010-1292	100 (25)				
	gray	2010-1291	100 (25)				

2010-1208

End and intermediate plate; 1 mm thick				End and intermediate plate; 1 mm thick		
	orange	2010-1292	100 (25)		orange	2010-1392
	gray	2010-1291	100 (25)		gray	2010-1391
Ex e/Ex i sep	parator; orange	; 3 mm thick				
	120 mm	209-191	50 (25)			

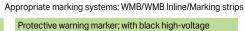
25

25



2-conductor ground terminal block

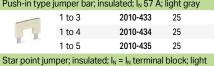
2-conductor shield terminal block



100 (25)

100 (25)

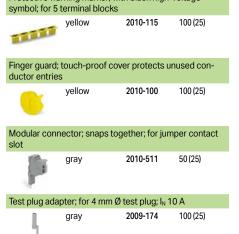




2010-405/011-000 1-3-5 25

Step-down jumper; insulated; commons 16/10 mm<sup>2</sup> (8/10 AWG) to 10/6/4/2.5 mm² (8/10/12/14 AWG);  $I_N$  57 A

light gray 2016-499



WMB marking card; white; 10 strips with 10 markers/card; 5...5.2 mm stretchable

plain 793-5501 5

# Through Terminal Block, Ground Conductor Terminal Block, Shield Conductor Terminal Block TOPJOB® S

16 (25 "f-st") mm2; 2016 Series

Technical Data			
0.5 16 (25 "f-st") mm <sup>2</sup>	20 4 AWG		
800 V / 8 kV / 3 2	600 V, 85 A <b>N</b> 600 V, 80 A®		
I <sub>N</sub> 76 A (90 A) 600 V, 80 A@			
Terminal block width: 12 mm / 0.472 inch			
1820 mm / 0.710.79 inch			

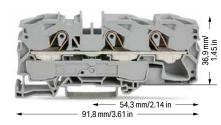
Technical Data		
0.5 16 (25 "f-st") mm <sup>2</sup>	20 4 AWG	
	600 V, 85 A <b>RA</b>	
I <sub>N</sub> 76 A (90 A)	600 V, 80 A®	
Terminal block width: 12 mm / 0.472 inch		
18 20 mm / 0.71 0.79 inch		



2-conductor through terminal block			
Color	Item No.	Pack. Unit	
○ gray ⓑ	2016-1201 4	20	
oblue 🗟	2016-1204 3 4	20	
orange 🛭	2016-1202 4	20	
ered 😡	2016-1203 4	20	
● black ®	2016-1205 4	20	
O dark gray-yellow 🛭	2016-1201/000-053	20	

	_	
2-conductor ground terr	minal block	
15 mm high DIN-35 rails	shall be used for a c	urrent load
higher than 76 A!		
aroon-vollow ©	016-1207	20

2-conductor shield ter	rminal block	
15 mm high DIN-35 ra	ils shall be used for a d	current load
higher than 76 A!		
O white	2016-1208	20



3-conductor through terminal block			
Color	Item No.	Pack. Unit	
○ gray ⑤	2016-1301 4	20	
oblue 😡	2016-1304 🔞 🐠	20	
orange 🗟	2016-1302 4	20	
red 😉	2016-1303 4	20	
■ black ⑤	2016-1305 4	20	
o yellow 🗟	2016-1306 4	20	
dark gray-yellow 😉	2016-1201/000-053 4	20	

3-conductor ground to 15 mm high DIN-35 rai higher than 76 A!		current load
green-yellow 🛭	2016-1307 4	20

Conductor range: 0.5 ... 16 mm<sup>2</sup> "s+f-st", 25 mm<sup>2</sup> "f-st"; Push-in termination: 6 ... 16 mm<sup>2</sup> "s" and 6 ... 16 mm<sup>2</sup>

"insulated ferrules; 18 mm"

Depending on the conductor characteristic, a conduc-

Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 800 V = rated voltage8 kV = rated impulse voltage3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications.
  550 V; 70 A; for 2-conductor terminal blocks
  550 V; 67 A; for 3-conductor terminal blocks
  65 A jumper

Please observe the application notes: Separator for Ex e/Ex i applications, see page 47 Step-down jumpers, see page 51 Jumpers, from page 185 Testing accessories, from page 179 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



Finger guard seals an unused conductor entry.

Accessories	; item-specific		
End and inter	mediate plate;	1 mm thick	
	orange	2016-1292	100 (25)
	gray	2016-1291	100 (25)
Ex e/Ex i sepa	arator; orange;	3 mm thick	
	120 mm	209-191	50 (25)

End and intermediate plate; 1 mm thick orange 2016-1392 100 (25)	Accessories; item-specific			
orange 2016-1392 100 (25)	End and interr	mediate plate; 1	mm thick	
		orange	2016-1392	100 (25)
gray <b>2016-1391</b> 100 (25)		gray	2016-1391	100 (25)

## Accessories; 2016 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Push-in type jumper bar; insulated; I <sub>N</sub> 76 A; light gray				
TO	2-way	2016-402	25	
	3-way	2016-403	25	
H. B.	4-way	2016-404	25	
	5-way	2016-405	25	
Push-in type	jumper bar; insu	lated; I <sub>N</sub> 76 A;	light gray	
_	1 to 3	2016-433	25	
V Y	1 to 4	2016-434	25	
H	1 to 5	2016-435	25	
Star point jum	per; insulated; I <sub>N</sub>	= I <sub>N</sub> terminal blo	ock; light	gray
X X X	1-3-5	2016-405/011	-000	25
Step-down jumper; insulated; commons 16/10 mm <sup>2</sup>				

(8/10 AWG) to  $10/6/4/2.5 \text{ mm}^2$  (8/10/12/14 AWG);  $I_N$  57 A

light gray



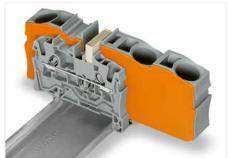
gray

2016-499

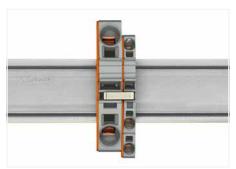
# Step-Down Jumpers TOPJOB® S Installation



Step-down jumpers (2006-499 and 2016-499)



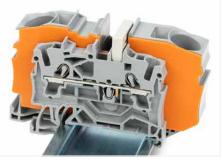
Step-down jumpers common terminal blocks of different sizes, without losing a conductor clamping point. This can be beneficial on long conductor runs where voltage drop can be a problem. A large conductor can be easily connected to smaller conductors at the distribution point. Commoning may be made in either direction using the special thin end plate to cover the open side. Additional through terminal blocks having a smaller cross-section may be commoned using push-in type jumper bars.



**Using step-down jumpers,** an end plate must be inserted between the terminal blocks to be commoned.



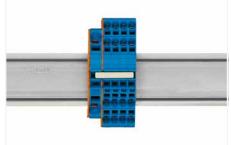
Step-down jumper (Item No. 2006-499) commons 6/4 mm² (10/12 AWG) terminal blocks (2006/2004 Series) with 4/2.5/1.5 mm² (AWG 12/14/16) terminal blocks (2004/2002/2001 Series).



Step-down jumper (Item No. 2016-499) commons 16/10 mm² (16/8 AWG) terminal blocks (2016/2010 Series) with 10/6/4/2.5 mm² (8/10/12/14 AWG) terminal blocks (2010/2006/2004/2002 Series).



Stepping down via push-in type jumper bar:
Commoning via open terminal side with end plate allows jumpering over two cross-section sizes for 16 mm² (6 AWG) and 10 mm² (8 AWG) and one cross-section size for 6/4/2.5 mm² (10/12/14 AWG). An example: from 16 mm² (6 AWG) to 6 mm² (10 AWG) (see illustration above) or from 10 mm² (8 AWG) to 4 mm² (12 AWG).



Stepping down via push-in type jumper bar: Commoning via closed terminal side with end plate allows jumpering over two cross-section sizes, e.g., from 16 mm² (6 AWG) to 6 mm² (10 AWG) or from 6 mm² (10 AWG) to 2.5 mm² (14 AWG) (see illustration above).

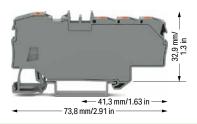


Note:

The total current of the outgoing circuits must not exceed the nominal current of the step-down jumper/push-in type jumper bar.

## Distribution Terminal Blocks TOPJOB® S; with Push-Button 1 x 6 (10) mm<sup>2</sup> and 6 x 1.5 (2.5) mm<sup>2</sup>; 2206 Series

**Technical Data** 20 ... 8 AWG 0.5 ... 6 (10) mm<sup>2</sup> 0.25 ... 1.5 (2.5) mm<sup>2</sup> 2 22 ... 14 AWG I<sub>N</sub> 41 A (57 A) 800 V / 8 kV / 3 3 Terminal block width: 9 mm / 0.354 inch \_\_\_ 13 ... 15 mm / 0.51 ... 0.59 inch **①** 9 ... 11 mm / 0.35 ... 0.43 inch 2



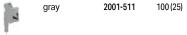
Distribution terminal block; with push-button			
Color	Item No.	Pack. Unit	
gray	2206-8031	12	
blue	2206-8034 4	12	
orange	2206-8032	12	
red	2206-8033	12	
black	2206-8035	12	
yellow	2206-8036	12	
<ul><li>light gray</li></ul>	2206-8039	12	
<ul><li>dark gray-yellow</li></ul>	2206-8031/000-053	12	

#### Accessories; distribution terminal block

Appropriate marking systems: WMB/WMB Inline/Marking strips

Pusn-in typ	e jumper bar; ıı	nsulated; I <sub>N</sub> 18 A;	light gray	/
	2-way	2001-402	25	
111	3-way	2001-403	25	
Liter	4-wav	2001-404	25	

Modular connector; snaps together; for jumper contact



Test plug ac	dapter; for 4 m	ım Ø test plug		
1	gray	2009-174	100 (25)	

ľ	Testing tap;	for max. 2.5 r	nm²		
	4	gray	2009-182	100 (25)	

2009-110

WMB Inline; plain; 1,500 WMB markers (5 mm)/reel;

Marking strip; plain; 11 mm wide; 50 m reel

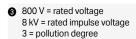
2009-115

WMB marker card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm 793-5501



Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

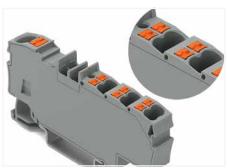
Conductor range: 0.25 ... 2.5 mm<sup>2</sup> "s+f-st" Push-in termination: 0.75 ... 2.5 mm<sup>2</sup> "s" and 0.75 ... 1.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.



Terminal blocks with a blue insulated housing are suitable for Ex i applications.

Please observe the application notes: Jumpers, from page 185 Testing accessories, from page 176 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

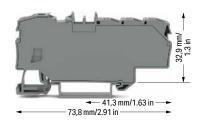


A clear marking of clamping units is molded in.

## Distribution Terminal Blocks TOPJOB® S

## 1 x 6 (10) mm<sup>2</sup> and 6 x 1.5 (2.5) mm<sup>2</sup>; 2006 Series





Distribution terminal block; with operating slo
---

Color	Item No.	Pack. Unit
gray	2006-8031	12
blue	2006-8034 4	12
orange	2006-8032	12
red	2006-8033	12
black	2006-8035	12
yellow	2006-8036	12
<ul><li>light gray</li></ul>	2006-8039	12
<ul><li>dark gray-yellow</li></ul>	2006-8031/000-053	12

#### Accessories; distribution terminal block

Appropriate marking systems: WMB/WMB Inline/Marking strips

	2-way	2001-402	25	
VI Y	3-way	2001-403	25	
Liter	4-way	2001-404	25	

Modular connector; snaps together; for jumper contact



rest plug ac	papter; for 4 m	ım Ø test plug		
II,	gray	2009-174	100 (25)	

Tooting	ton:	forr	nov	2 =	mm2
Testing	tap,	101	nax.	2.5	1111111



#### Marking strip; plain; 11 mm wide; 50 m reel

2009-110

WMB Inline; plain; 1,500 WMB markers (5 mm)/reel; .. 5.2 mm

2009-115

WMB marker card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm





"insulated ferrules, 12 mm"

Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

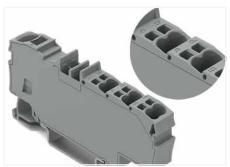
Conductor range: 0.25 ... 2.5 mm<sup>2</sup> "s+f-st" Push-in termination: 0.75 ... 2.5 mm<sup>2</sup> "s" and 0.75 ... 1.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

3 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree

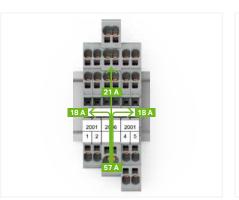
Terminal blocks with a blue insulated housing are suitable for Ex i applications.

Please observe the application notes: Jumpers, from page 185 Testing accessories, from page 176 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



A clear marking of clamping units is molded in.



Commoning options for the 2006 Series Distribution Terminal Blocks and 2001 Series Terminal Blocks using 2001 Series Jumpers

#### Note:

The total current of the outgoing circuits must not exceed the nominal current of the push-in type jumper bar.



Commoning options for the 2006 Series Distribution Terminal Blocks and 2001 Series Terminal Blocks using 2001 Series Jumpers

#### Note:

The total current of the outgoing circuits must not exceed the nominal current of the push-in type jumper bar.



Commoning options for the 2006 Series Distribution Terminal Blocks and 2001 Series Terminal Blocks using 2001 Series Jumpers

#### Note:

The total current of the outgoing circuits must not exceed the nominal current of the push-in type jumper bar.



# **Electrical Interconnection Set and Rail-Mount Terminal Block Set** 821 Series



Electrical interconnection set; L-BOXX® 102; 221 Series
& TOPJOB® S with Lever

Item No.	Pack. Unit
821-153	1



Rail-mount terminal block set; L-BOXX® 102; 20xx, 21xx,
22xx Series

Item No.	Pack. Unit
821-154	1

#### Contents

Qty.	Item No.	Description
		Splicing Connectors
100	221-412	COMPACT splicing connector; 2 wires; 0.14 4 mm <sup>2</sup> ; with levers; transparent
50	221-413	COMPACT splicing connector; 3 wires;
25	221-415	0.14 4 mm²; with levers; transparent COMPACT splicing connector; 5 wires;
50	221-612	0.14 4 mm²; with levers; transparent COMPACT splicing connector; 2 wires;
30	221-613	0.5 6 mm <sup>2</sup> ; with levers; transparent COMPACT splicing connector; 3 wires;
		0.5 6 mm²; with levers; transparent
15	221-615	COMPACT splicing connector; 5 wires;
		0.5 6 mm <sup>2</sup> ; with levers; transparent
		Rail-Mount Terminal Blocks
60	2102-1201	2-conductor through terminal block;
		with lever and Push-in CAGE CLAMP®;
		0.25 2.5 (4) mm <sup>2</sup> ; gray
12	2106-1201	2-conductor through terminal block;
		with lever and Push-in CAGE CLAMP®;
		0.5 6 (10) mm²; gray
	Accessories	
1	210-110	Felt-tip pen; smudge-proof
5	221-500	Mounting carrier; 221 Series – 4 mm <sup>2</sup> ;
		for DIN-35 rail/screw mounting;
		orange
3	221-510	Mounting carrier; 221 Series – 6 mm²; for DIN-35 rail/screw mounting;
		orange
10	249-116	Screwless end stop; for DIN-35 rail; 6 mm wide; gray
2	793-5501	WMB marker card; plain
2	793-5566	WMB marker card; marking 1 50
25	2002-400	
25	2002-400	Continuous jumper; insulated; 2-way; Nominal current: 25 A; light gray
25	2006-402	Push-in type jumper bar; insulated;
		2-way; Nominal current: 41 A; light
		gray
1	2009-310	Operating tool; 3.5 x 0.5 mm and 5.5 x 0.8 mm blades
15	2102-1292	End and intermediate plate; for 2-con-
-		ductor terminal blocks; orange
5	2106-1292	End and intermediate plate; for 2-con-
		ductor terminal blocks; orange

### Contents

Conte	nts	
Qty.	Item No.	Description
	TOPJOB® S	Rail-Mount Terminal Blocks
10	2002-1301	3-conductor through terminal block;
		with Push-in CAGE CLAMP®; 0.25
		2.5 (4) mm <sup>2</sup> ; gray
8	2004-1201	2-conductor through terminal block;
		with Push-in CAGE CLAMP®; 0.5 4
		(6) mm <sup>2</sup> ; gray
20	2102-1201	2-conductor through terminal block;
		with lever and Push-in CAGE CLAMP®
		0.25 2.5 (4) mm <sup>2</sup> ; gray
6	2102-5301	3-conductor through terminal block;
		with lever and push-button; 0.25 2.5
		(4) mm²; gray
2	2102-5304	3-conductor through terminal block;
		with lever and push-button; 0.25 2.5
		(4) mm <sup>2</sup> ; blue
2	2102-5307	3-conductor ground terminal block;
_		with lever and push-button; 0.25 2.5
		(4) mm²; green-yellow
6	2106-5301	3-conductor through terminal block;
•	2.00 000.	with lever and push-button; 0.5 6
		(10) mm²; gray
2	2106-5304	3-conductor through terminal block;
2	2100 0004	with lever and push-button; 0.5 6
		(10) mm²; blue
2	2106-5307	3-conductor ground terminal block;
2	2100 0007	with lever and push-button; 0.5 6
		(10) mm²; green-yellow
6	2116-5301	3-conductor through terminal block;
U	2110-3301	with lever and push-button; 0.5 16
		(25) mm²; gray
2	2116-5304	3-conductor through terminal block;
2	2110-3304	with lever and push-button; 0.5 16
		(25) mm <sup>2</sup> ; blue
2	2116 5207	3-conductor ground terminal block;
2	2110-5507	with lever and push-button; 0.5 16
		(25) mm <sup>2</sup> ; green-yellow
25	2200 1401	4-conductor through terminal block;
25	2200-1401	with push-button; 0.14 1 (1.5) mm <sup>2</sup> ;
10	2202 1201	gray 3-conductor through terminal block;
10	2202-1301	
		with push-button; 0.25 2.5 (4) mm <sup>2</sup> ;
0	0004 1001	gray
8	2204-1201	2-conductor through terminal block;
		with push-button; 0.5 4 (6) mm <sup>2</sup> ;
_		gray
6	2210-1201	2-conductor through terminal block;
		with push-button; 0.5 10 (16) mm <sup>2</sup> ;
_		gray
2	2210-1204	2-conductor through terminal block;
		with push-button; 0.5 10 (16) mm <sup>2</sup> ;
		blue

blue

2

2210-1207 2-conductor ground terminal block; with push-button; 0.5 ... 10 (16) mm²; green-yellow

#### Contents 821-154 (continued)

Qty.	Item No.	Description
10	Accessorie 249-116	s Screwless end stop; for DIN-35 rail; 6 mm wide; gray
25	2000-402	Push-in type jumper bar; insulated; 2-way; Nominal current: 14 A; light
10	2000-1491	gray End and intermediate plate; for 4-conductor terminal blocks; gray
25	2002-400	Continuous jumper; insulated; 2-way; Nominal current: 25 A; light gray
25	2002-402	Push-in type jumper bar; insulated; 2-way; Nominal current: 25 A; light
10	2002-1391	gray End and intermediate plate; for 3-con
10	2004-402	ductor terminal blocks; gray Push-in type jumper bar; insulated; 2-way; Nominal current: 32 A; light
10	2004-1291	gray End and intermediate plate; for 2-con
10	2006-402	ductor terminal blocks; gray Push-in type jumper bar; insulated; 2-way; Nominal current: 41 A; light
5	2010-402	gray Push-in type jumper bar; insulated; 2-way; Nominal current: 57 A; light
5	2010-1291	gray End and intermediate plate; for 2-con
10	2016-402	ductor terminal blocks; gray Push-in type jumper bar; insulated; 2-way; Nominal current: 76 A; light
10	2102-1291	gray End and intermediate plate; for 2-con
5	2102-1391	ductor terminal blocks; gray End and intermediate plate; for 3-con ductor terminal blocks; gray
5	2106-1391	End and intermediate plate; for 3-con ductor terminal blocks; gray
5	2116-1391	End and intermediate plate; for 3-con ductor terminal blocks; gray





# Rail-mount terminal block set; L-BOXX® 102; 2002, 2006, 2016 Series

2010 001100				
Item No.		Pack. Unit		
	821-155	1		

#### Contents

Qty.	Item No.	Description
	TOPJOB® S	Rail-Mount Terminal Blocks
75	2002-1201	2-conductor through terminal block;
		0.25 2.5 (4) mm <sup>2</sup> ; gray
25	2002-1204	2-conductor through terminal block;
		0.25 2.5 (4) mm <sup>2</sup> ; blue
25	2002-1207	2-conductor ground terminal block;
		0.25 2.5 (4) mm <sup>2</sup> ; green-yellow
9	2006-1201	2-conductor through terminal block;
		0.5 6 (10) mm <sup>2</sup> ; gray
3	2006-1204	2-conductor through terminal block;
		0.5 6 (10) mm <sup>2</sup> ; blue
3	2006-1207	2-conductor ground terminal block;
		0.5 6 (10) mm <sup>2</sup> ; green-yellow
12	2016-1201	2-conductor through terminal block;
		0.5 16 (25) mm <sup>2</sup> ; gray
6	2016-1204	2-conductor through terminal block;
_		0.5 16 (25) mm²; blue
6	2016-1207	2-conductor ground terminal block;
		0.5 16 (25) mm <sup>2</sup> ; green-yellow
	Accessorie	
1	210-110	Felt-tip pen; smudge-proof
1	210-722	Operating tool set; with a partially insulated shaft
5	249-119	
5	249-119	Height-adjustable group marker carrier
10	249-117	Screwless end stop; for DIN-35 rail;
10	245-117	10 mm wide; gray
2	793-5501	WMB marker card; plain
2	793-5566	WMB marker card; marking 1 50
1	793-5472	WMB marker card; Marking L1, L2, L3,
•	755 5472	N. PE
25	2002-400	Continuous jumper; insulated; 2-way;
20	2002 100	Nominal current: 25 A; light gray
25	2002-1292	End and intermediate plate; for 2-con-
20	2002 1202	ductor terminal blocks; orange
25	2006-402	Push-in type jumper bar; insulated;
	2000 .02	2-way; Nominal current: 41 A; light
		gray
10	2006-1292	End and intermediate plate; for 2-con-
		ductor terminal blocks; orange
1	2009-110	Marking strip; white; 1 m long
5	2009-182	Testing tap; for max. 2.5 mm <sup>2</sup>
1	2009-310	Operating tool; 3.5 x 0.5 mm and 5.5 x
		0.8 mm blades
25	2016-402	Push-in type jumper bar; insulated;
		2-way; Nominal current: 76 A; light
		gray
10	2016-1292	End and intermediate plate; for 2-con-
		ductor terminal blocks; orange
		·



# Double-Deck Terminal Block TOPJOB® S; with Push-Button; with Vertical Conductor Entry 2.5 (4) mm²; 2202 Series

□ 10 ... 12 mm / 0.39 ... 0.47 inch

**Technical Data** 

Terminal block width: 5.2 mm / 0.205 inch

10 ... 12 mm / 0.39 ... 0.47 inch



Double-deck terminal block; with push-button; through/ through terminal block; with vertical conductor entry; without marker carrier; gray

	Item No.	Pack. Unit
○ L/L ®	2202-2701 4	50
N/L ⊕	2202-2702 4	50
○ L/N ⑤	2202-2703 4	50

Double-deck terminal block; with push-button; through/ through terminal block; with vertical conductor entry; without marker carrier; blue

N/N ⓑ 2202-2704 **3 4** 50

Double-deck terminal block; with push-button; through/ through terminal block; with vertical conductor entry; with marker carrier; gray

○ L/L ⓑ 2202-2731 **4** 50



Double-deck terminal block; with push-button; ground conductor/through terminal block; with vertical conductor entry; without marker carrier; gray

	Item No.	Pack. Unit
○ PE/N ®	2202-2717 4	50
○ PE/L ©	2202-2727 4	50

Conductor range: 0.25 ... 4 mm² "s+f-st"

Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm²
"insulated ferrules, 12 mm"

Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

800 V = rated voltage8 kV = rated impulse voltage3 = pollution degree

Terminal blocks with a blue insulated housing are suitable for Ex i applications.

Terminal blocks with an Ex mark are suitable for Ex e II applications.
550 V; 17.5 A
17 A jumper

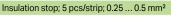
Please observe the application notes: Jumpers, from page 182 Testing accessories, page 181 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2202 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

End and inte	ermediate plate	e; 0.8 mm thick	
_	orange	2002-2792	100 (25)
	gray	2002-2791	100 (25)









Push-in type	e jumper bar;	insulated; I <sub>N</sub> 25 A;	light gray	/
C. Carriero	2-way	2002-402	25	
111	3-way	2002-403	25	
1.00	4-way	2002-404	25	
	5-way	2002-405	25	
	6-way	2002-406	25	

6-way 2002-406 25 7-way 2002-407 25 8-way 2002-408 25 9-way 2002-409 25 10-way 2002-410 25

## Push-in type jumper bar; insulated; $I_{\text{N}}$ 25 A; light gray

The same	1 to 3	2002-433	25
V	1 to 4	2002-434	25
1	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 7	2002-437	25
	1 to 8	2002-438	25
	1 to 9	2002-439	25
	1 to 10	2002-440	25

# Double-deck vertical jumper; insulated; I<sub>N</sub> 24 A

light gray 2002-492 100 (25) orange 2002-492/000-012 100 (25)

Double-deck marker carrier; pivoting



gray 2002-121

50 (25)



Double-deck terminal block; with push-button; 4-conductor through terminal block; with vertical conductor entry; without marker carrier; Internally commoned; violet conductor entry; gray

	Item No.	Pack. Unit
○ L ©	2202-2708 4	50

Double-deck terminal block; with push-button; 4-conductor through terminal block; with vertical conductor entry; without marker carrier; Internally commoned; violet conductor entry; blue

N 🐵 2202-2709 3 4 50



Double-deck terminal block; with push-button; 4-conductor ground terminal block; with vertical conductor entry; without marker carrier; Internally commoned;

	Item No.	Pack. Unit
O PE ₪	2202-2707 4	50



## Double-Deck Terminal Block TOPJOB® S

## 1 (1.5) mm<sup>2</sup>; 2000 Series

**Technical Data** 

I<sub>N</sub> 13.5 A (16 A)

Terminal block width: 3.5 mm / 0.138 inch

9 ... 11 mm / 0.35 ... 0.43 inch

**Technical Data** 

0.14 ... 1 (1.5) mm<sup>2</sup> 1 24 ... 16 AWG 500 V / 6 kV / 3 2 600 V, 10 AN

I<sub>N</sub> 13.5 A (16 A)

Terminal block width: 3.5 mm / 0.138 inch

9 ... 11 mm / 0.35 ... 0.43 inch

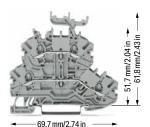
**Technical Data** 

0.14 ... 1 (1.5) mm<sup>2</sup> 1 24 ... 16 AWG 500 V / 6 kV / 3 2 600 V, 10 A 74

I<sub>N</sub> 13.5 A (16 A)

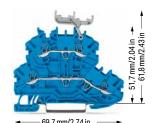
Terminal block width: 3.5 mm / 0.138 inch

9 ... 11 mm / 0.35 ... 0.43 inch



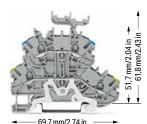
Double-deck terminal block; through/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
○ L/L ⓑ	2000-2231 4	50
○ N/L ⑤	2000-2232 4	50
O LINE	2000 2222	50



Double-deck terminal block; through/through terminal block; with marker carrier; blue

	Item No.	Pack. Unit
O N/N ₪	2000-2234 3 4	50



Double-deck terminal block; ground conductor/through terminal block; with marker carrier; blue

	Item No.	Pack. Unit
O PE/N ©	2000-2247 4	50
O PE/L 😡	2000-2257 4	50

Double-deck terminal block; through/through terminal block; without marker carrier; gray

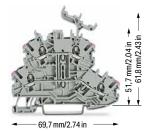
○ L/L &	2000-2201 4	50
N/L	2000-2202 4	50
○ L/N ⓑ	2000-2203 4	50

Double-deck terminal block; through/through terminal block; without marker carrier; blue

N/N ⊕	2000-2204 3 4	50

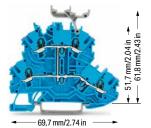
Double-deck terminal block; ground conductor/through terminal block; without marker carrier; gray

○ PE/N ⓑ	2000-2217 4	50
○ PE/L ②	2000-2227 4	50



Double-deck terminal block; 4-conductor through terminal block; with marker carrier; internally commoned; violet conductor entry; gray

	Item No.	Pack. Unit
○ L 🗟	2000-2238 4	50



Double-deck terminal block; 4-conductor through terminal block; with marker carrier; internally commoned; violet conductor entry; blue

	Item No.	Pack. Unit
N ₪	2000-2239 3 4	50

ei V. Z. Mad. 193

Double-deck terminal block; 4-conductor ground terminal block; with marker carrier; internally commoned; green-yellow

	Item No.	Pack. Unit
○ PE ⑤	2000-2237 4	50

Double-deck terminal block; 4-conductor through terminal block; without marker carrier; internally commoned; violet conductor entry; gray

violet conductor entry; gray			
○ L ⑤	2000-2208 4	50	

Double-deck terminal block; 4-conductor through terminal block; without marker carrier; internally commoned; violet conductor entry; blue

violet conductor entry, blue			
N ₪	2000-2209 3 4	50	

Double-deck terminal block; 4-conductor ground terminal block; without marker carrier; internally commoned; green-yellow

green-yellow			
O PE ⊕	2000-2207 4	50	

#### **Technical Data**

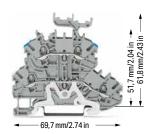
0.14 ... 1 (1.5) mm<sup>2</sup> 500 V / 6 kV / 3 2

24 ... 16 AWG 600 V, 10 A 94

I<sub>N</sub> 13.5 A (16 A)

Terminal block width: 3.5 mm / 0.138 inch

 $\blacksquare \blacksquare \blacksquare 9 \dots 11 \; \text{mm} \, / \, 0.35 \dots 0.43 \, \text{inch}$ 



#### Double-deck terminal block; shield/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
○ Shield/N	2000-2248	50
Shield/L	2000-2258	50

#### Double-deck terminal block; shield/through terminal block; without marker carrier; gray

Shield/N	2000-2218	50	
Shield/L	2000-2228	50	

Conductor range: 0.14 ... 1.5 mm<sup>2</sup> "s+f-st"; Push-in termination: 0.5 ... 1.5 mm<sup>2</sup> "s" and 0.5 ... 0.75 mm<sup>2</sup> "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II 350 V; 13 A 12 A jumper

Please observe the application notes: Jumpers, from page 182 Testing accessories, page 181 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

Accessories; 2000 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### End and intermediate plate; 0.7 mm thick

_	orange	2000-2292
	gray	2000-2291

## Ex e/Ex i separator; orange; 3 mm thick



209-192

25

25

50 (25)

### Push-in type jumper bar; insulated; I<sub>N</sub> 13.5 A; light gray



## Push-in type jumper bar; insulated; I<sub>N</sub> 13.5 A; light gray

PER SE	1 to 3	2000-433	25
1	1 to 4	2000-434	25
	1 to 5	2000-435	25
	1 to 6	2000-436	25
	1 to 7	2000-437	25
	1 to 8	2000-438	25
	1 to 9	2000-439	25
	1 to 10	2000-440	25

Double-deck vertical jumper; insulated; I<sub>N</sub> 13.5 A

light gray

yellow

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks



#### Test plug adapter; for 4 mm Ø test plug; $I_N$ 10 A



2009-174 100 (25)

2000-492

2000-115

100 (25)

100 (25)

#### Accessories; 2000 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Testing tap; for max. 2.5 mm<sup>2</sup>



2009-182 100 (25)

#### Marking strip; plain; 11 mm wide; 50 m reel



2009-110

#### WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel



white 2009-113

#### WMB marking card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width

plain 793-3501

#### Double-deck marker carrier; pivoting



gray

2000-121

50 (25)

5



### Double-deck terminal blocks:

A double-deck marker carrier (Item No. 2000-121) can be retrofitted to double-deck terminal blocks without a marker carrier.

## Double-Deck Terminal Block TOPJOB® S; with End Plate; 800 V 1 (1.5) mm<sup>2</sup>; 2000 Series

**Technical Data** 0.14 ... 1 (1.5) mm<sup>2</sup> 800 V / 8 kV / 3 2

24 ... 16 AWG 600 V, 10 A 74

I<sub>N</sub> 13.5 A (16 A)

Terminal block width: 4.2 mm / 0.165 inch □ 9 ... 11 mm / 0.35 ... 0.43 inch

**Technical Data** 

0.14 ... 1 (1.5) mm<sup>2</sup> 800 V / 8 kV / 3 2

24 ... 16 AWG 600 V, 10 A 334

I<sub>N</sub> 13.5 A (16 A)

Terminal block width: 4.2 mm / 0.165 inch

□ 9 ... 11 mm / 0.35 ... 0.43 inch

**Technical Data** 

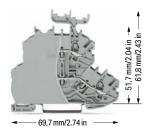
0.14 ... 1 (1.5) mm<sup>2</sup> 800 V / 8 kV / 3 2

24 ... 16 AWG 600 V, 10 A 74

I<sub>N</sub> 13.5 A (16 A)

Terminal block width: 4.2 mm / 0.165 inch

□ 9 ... 11 mm / 0.35 ... 0.43 inch

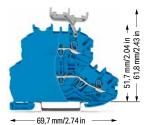


Double-deck terminal block; through/through terminal block; with end plate; with marker carrier; gray

	Item No.	Pack. Unit
○ L/L ⓑ	2000-2231/099-000 4	50
○ N/L ⑤	2000-2232/099-000 4	50
∩ L/N ©	2000-2233/099-000	50

Double-deck terminal block; through/through terminal

2000-2204/099-00034 50



Double-deck terminal block; through/through terminal block; with end plate; with marker carrier; blue

AL/AL © 0000 0004/000 000 00 FO	
N/N	



Double-deck terminal block; ground conductor/through terminal block; with end plate; with marker carrier; gray

	Item No.	Pack. Unit
○ PE/N ⓑ	2000-2247/099-000 4	50
O PE/L 😡	2000-2257/099-000 4	50

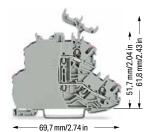
Double-deck terminal block; through/through terminal block; with end plate; without marker carrier; gray

○ L/L ©	2000-2201/099-000 4	50
N/L	2000-2202/099-000 4	50
○ L/N ©	2000-2203/099-000 4	50

block; with end plate; without marker carrier; blue

Double-deck terminal	block; ground conduc	tor/through
terminal block; with en	d plate; without marke	er carrier;
gray		
○ PF/N ©	2000-2217/099-000	50

○ PE/N <sup>©</sup>	2000-2217/099-000 4	50
○ PE/L ②	2000-2227/099-000 4	50

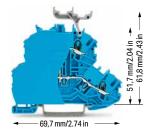


Double-deck terminal block; 4-conductor through terminal block; with end plate; with marker carrier; internally commoned; violet conductor entry; gray

	Item No.	Pack. Unit
○ L ②	2000-2238/099-000 4	50

Double-deck terminal block; 4-conductor through terminal block; with end plate; without marker carrier; internally commoned; violet conductor entry; gray

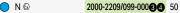
2000-2208/099-000 4 50 ○ L ©

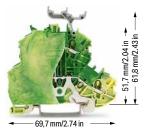


Double-deck terminal block; 4-conductor through terminal block; with end plate; with marker carrier; internally commoned; violet conductor entry; blue

	Item No.	Pack. Unit
N ₪	2000-2239/099-00034	50

Double-deck terminal block; 4-conductor through terminal block; with end plate; without marker carrier; internally commoned; violet conductor entry; blue





Double-deck terminal block; 4-conductor ground terminal block; with end plate; with marker carrier; internally commoned; green-yellow

	Item No.	Pack. Unit
O PE ₪	2000-2237/099-000 4	50

Double-deck terminal block; 4-conductor ground terminal block; with end plate; without marker carrier; internally

commoned; green-yellow		
O DE ©	2000 2207/000 000	EO

#### **Technical Data**

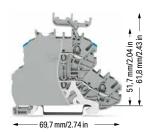
0.14 ... 1 (1.5) mm<sup>2</sup> 1 800 V / 8 kV / 3 2

24 ... 16 AWG 600 V, 10 A**R** 

I<sub>N</sub> 13.5 A (16 A)

Terminal block width: 4.2 mm / 0.165 inch

 $\blacksquare \blacksquare \blacksquare 9 \dots 11 \; \text{mm} \, / \, 0.35 \dots 0.43 \, \text{inch}$ 



Double-deck terminal block; shield/through terminal block; with end plate; with marker carrier; gray

	Item No.	Pack. Unit
○ Shield/N	2000-2248/099-000	50
Shield/L	2000-2258/099-000	50

Double-deck terminal block; shield/through terminal block; with end plate; without marker carrier; gray

○ Shield/N	2000-2218/099-000	50
○ Shield/L	2000-2228/099-000	50

Conductor range: 0.14 ... 1.5 mm² "s+f-st"; Push-in termination: 0.5 ... 1.5 mm² "s" and 0.5 ... 0.75 mm² "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 800 V = rated voltage8 kV = rated impulse voltage3 = pollution degree
- 3 Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications.
  550 V; 13 A
  12 A jumper

Please observe the application notes: Jumpers, from page 182 Testing accessories, page 181 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

## Accessories; 2000 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### End and intermediate plate; 0.7 mm thick



orange	2000-2292	25	
gray	2000-2291	25	

#### Ex e/Ex i separator; orange; 3 mm thick



125.5 mm **209-192** 50 (25)

#### Push-in type jumper bar; insulated; $I_N$ 17.5 A; light gray



2-way	2001-402	25	
3-way	2001-403	25	
4-way	2001-404	25	
5-way	2001-405	25	
6-way	2001-406	25	
7-way	2001-407	25	
8-way	2001-408	25	
9-way	2001-409	25	
10-way	2001-410	25	

## Push-in type jumper bar; insulated; $I_{N}$ 17.5 A; light gray



2001-433 1 to 3 25 1 to 4 2001-434 25 1 to 5 2001-435 25 25 1 to 6 2001-436 2001-437 25 1 to 7 1 to 8 2001-438 25 2001-439 25 1 to 9 1 to 10 2001-440 25

Double-deck vertical jumper; insulated; I<sub>N</sub> 13.5 A

light gray 2000-492 100 (25)

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks



yellow

2001-115 100 (25)

100 (25)

#### Test plug adapter; for 4 mm $\emptyset$ test plug; $I_N$ 10 A



gray 2009-174

#### Accessories; 2000 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Testing tap; for max. 2.5 mm<sup>2</sup>



2009-182

100 (25)

#### Marking strip; plain; 11 mm wide; 50 m reel



2009-110

# WMB Inline; plain; 2,000 WMB markers (4 mm)/reel; 4 ... 4.2 mm stretchable



white 2009-114

8

# WMB marking card; white; 10 strips with 10 markers/card; $4\dots4.2\ \text{mm}$ stretchable



**793-4501** 5

Double-deck marker carrier; pivoting



ray 2000-121

50 (25)



### Double-deck terminal blocks:

A double-deck marker carrier (Item No. 2000-121) can be retrofitted to double-deck terminal blocks without a marker carrier.



## Double-Deck Terminal Block TOPJOB® S

## 2.5 (4) mm<sup>2</sup>; 2002 Series

**Technical Data** 

0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 300 V, 20 A 🗫 500 V / 6 kV / 3 2 I<sub>N</sub> 24 A (28 A) 600 V, 20 A@

Terminal block width: 5.2 mm / 0.205 inch

□ 10 ... 12 mm / 0.39 ... 0.47 inch

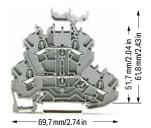
**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 500 V / 6 kV / 3 2 300 V, 20 A 🕦 I<sub>N</sub> 24 A (28 A) 600 V, 20 A@ Terminal block width: 5.2 mm / 0.205 inch

**Technical Data** 

0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 300 V, 20 A 🗫 500 V / 6 kV / 3 2 600 V, 20 A@

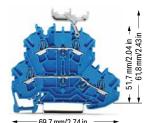
Terminal block width: 5.2 mm / 0.205 inch

□ 10 ... 12 mm / 0.39 ... 0.47 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch



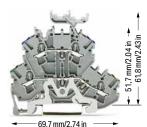
#### Double-deck terminal block; through/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
○ L/L ⓑ	2002-2231 4	50
○ N/L ⑤	2002-2232 4	50
○ L/N ©	2002-2233	50



#### Double-deck terminal block; through/through terminal block; with marker carrier; blue

	Item No.	Pack. Unit
N/N ⊕	2002-2234 3 4	50



Double-deck terminal block; ground conductor/through terminal block; with marker carrier; blue

	Item No.	Pack. Unit
O PE/N &	2002-2247 4	50
O PE/L ©	2002-2257 4	50

#### Double-deck terminal block; through/through terminal block; without marker carrier; gray

L/L	2002-2201 4	50
○ N/L ⑤	2002-2202 4	50
◯ L/N ©	2002-2203	50

Double-deck terminal block; through/through terminal			
block; without marker carrier; orange			
■ N# 5	2002 2002	F0	

Other terminal blocks with the same profile:		
Diode	2002-2211/1000-410	Par

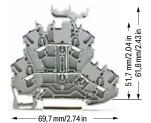
2002-2221/1000-434 Page 170 LFD

Double-deck terminal block; through/through terminal

block, without marker carrier, blue		
N/N ⊕	2002-2204 3 4	50

Double-deck terminal block; ground conductor/through terminal block; without marker carrier; gray

P	E/N 🗟	2002-2217 4	50
P	E/L ©	2002-2227 4	50

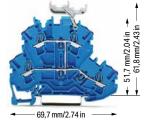


Double-deck terminal block; 4-conductor through terminal block; with marker carrier; internally commoned; violet conductor entry; gray

	Item No.	Pack. Unit	
∩ L ©	2002-2238	50	

Double-deck terminal block: 4-conductor through terminal block; without marker carrier; internally commoned; violet conductor entry; gray

○ L 🗟	2002-2208 4	50
-------	-------------	----

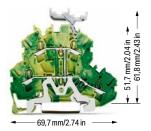


Double-deck terminal block; 4-conductor through terminal block; with marker carrier; internally commoned; violet conductor entry; blue

	item No.	Pack. Unit
O N ₪	2002-2239 3 4	50

Double-deck terminal block; 4-conductor through terminal block; without marker carrier; internally commoned; violet conductor entry: blue

N ©	2002-2209	50



Double-deck terminal block; 4-conductor ground terminal block; with marker carrier; internally commoned; green-yellow

	item No.	Pack. Utill
O PE ®	2002-2237 4	50

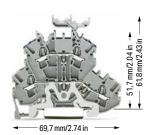
Double-deck terminal block; 4-conductor ground terminal block; without marker carrier; internally commoned; areen-vellow

-	,		
	PF 😡	2002-2207 <b>4</b>	50

#### **Technical Data**

Terminal block width: 5.2 mm / 0.205 inch

10 ... 12 mm / 0.39 ... 0.47 inch



# Double-deck terminal block; shield/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
○ Shield/N	2002-2248	50
Shield/L	2002-2258	50

# Double-deck terminal block; shield/through terminal block; without marker carrier; gray

○ Shield/N	2002-2218	50
○ Shield/L	2002-2228	50

Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conduc-

tor with a smaller cross section can also be inserted via push-in termination.

- 500 V = rated voltage6 kV = rated impulse voltage3 = pollution degree
- 3 Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications.
  440 V; 20 A
  18 A jumper

Please observe the application notes: Jumpers, from page 182 Testing accessories, page 181 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### End and intermediate plate; 0.8 mm thick

_	orange	2002-2292	100 (25)
_	gray	2002-2291	100 (25)

#### Ex e/Ex i separator; orange; 3 mm thick



125.5 mm **209-192** 50 (25)

# Separator plate; oversized upper deck; snap-on type; 2 mm thick



orange	2002-2296	100 (25)
gray	2002-2295	100 (25)

## Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>



00000

light gray 2002-171 200 (25)

### Insulation stop; 5 pcs/strip; 0.75 ... 1 mm²

dark gray 2002-172 200 (25)

### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray

-				g g)
		2-way	2002-402	25
	1777	3-way	2002-403	25
		4-way	2002-404	25
		5-way	2002-405	25
		6-way	2002-406	25
		7-way	2002-407	25
		8-way	2002-408	25
		9-way	2002-409	25
		10-way	2002-410	25
	1			1.1

#### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray



umper bar; ir	isulateu; I <sub>N</sub> 25 A;	light gray	
1 to 3	2002-433	25	
1 to 4	2002-434	25	
1 to 5	2002-435	25	
1 to 6	2002-436	25	
1 to 7	2002-437	25	
1 to 8	2002-438	25	
1 to 9	2002-439	25	
1 to 10	2002-440	25	

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Double-deck vertical jumper; insulated; $I_N$ 24 A

light gray 2002-492 100 (25) orange 2002-492/000-012 100 (25)

#### Double-deck marker carrier; pivoting



gray

2002-121

50 (25)



Double-deck terminal block assembly



Both ground and shield conductor terminal blocks have a contact foot in the bottom level, automatically establishing direct contact to the DIN-rail or busbar.

The flexible double-deck marker carrier, which is placed above the wiring level, can be pushed aside during wiring. The carrier has two staggered levels for WMB markers that perfectly align with the terminal block decks. With a terminal block width of just 5.2 mm, an effective width of just 2.6 mm for terminal blocks of same or different potentials can be realized for conductors ranging 0.25 mm² ... 4 mm² (22 ... 12 AWG).

Shielded control cables are becoming an increasingly common solution to external signal interference.
Front-entry shield conductor terminal blocks are ideal for connecting braided cables. Like front-entry ground conductor terminal blocks, they are equipped with a grounding foot for direct electrical connection to the rail, however they differ significantly by their white insulated housing. Shield conductor terminal blocks for front-entry wiring can be directly mounted beside signal-conductor terminal blocks, providing excellent deflection of interfering signals.

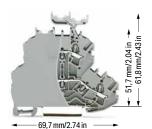


## Double-Deck Terminal Block TOPJOB® S; with End Plate; 800 V 2.5 (4) mm<sup>2</sup>; 2002 Series

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 600 V, 20 A 🕦 800 V / 8 kV / 3 2 I<sub>N</sub> 24 A 600 V, 20 A@ Terminal block width: 6.2 mm / 0.244 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 800 V / 8 kV / 3 2 600 V, 20 A 👊 I<sub>N</sub> 24 A 600 V, 20 A@ Terminal block width: 6.2 mm / 0.244 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 600 V, 20 A 🗫 800 V / 8 kV / 3 2 I<sub>N</sub> 24 A 600 V, 20 A@ Terminal block width: 6.2 mm / 0.244 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch

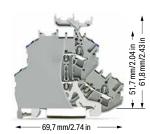


Double-deck terminal block; through/through terminal block; with end plate; with marker carrier; gray

	Item No.	Pack. Unit
○ L/L ⑤	2002-2231/099-000 4	50
N/L	2002-2232/099-000 4	50
○ L/N ⓑ	2002-2233/099-000 4	50

Double-deck terminal block; through/through terminal block; with end plate; with marker carrier; blue

	Item No.	Pack. Unit
N/N ⊕	2002-2234/099-000 3 4	50



Double-deck terminal block; ground conductor/through terminal block; with end plate; with marker carrier; gray

	Item No.	Pack. Unit
○ PE/N ®	2002-2247/099-000 4	50
O PE/L ₪	2002-2257/099-000 4	50

Double-deck terminal block; through/through terminal block; with end plate; without marker carrier; gray

○ L/L &	2002-2201/099-000 4	50
○ N/L ⓑ	2002-2202/099-000 4	50
◯ L/N ®	2002-2203/099-000 4	50

Diode

LED

U N/L ₪	2002-2202/099-000	50
○ L/N ⓑ	2002-2203/099-000 4	50
Other terminal blocks with the same profile:		

2002-2211/1000-410 Page 170

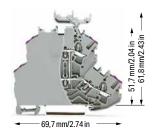
2002-2221/1000-434 Page 170

Double-deck terminal block; through/through terminal block; with end plate; without marker carrier; blue

	N/N 🗟	2002-2204/099-000 3 4	50
-			

Double-deck terminal block; ground conductor/through terminal block; with end plate; without marker carrier;

○ PE/N ©	2002-2217/099-000	50
O PE/L 😡	2002-2227/099-000	50

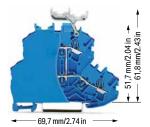


Double-deck terminal block; 4-conductor through terminal block; with end plate; with marker carrier; internally commoned; violet conductor entry; gray

	Item No.	Pack. Unit
○ L 🗟	2002-2238/099-000 4	50

Double-deck terminal block; 4-conductor through terminal block; with end plate; without marker carrier; internally commoned; violet conductor entry; gray

2002-2208/099-000 4 50

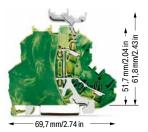


Double-deck terminal block; 4-conductor through terminal block; with end plate; with marker carrier; internally commoned; violet conductor entry; blue

	Item No.	Pack. Unit
O N ₪	2002-2239/099-000 3 4	50

Double-deck terminal block: 4-conductor through terminal block; with end plate; without marker carrier; internally commoned; violet conductor entry; blue

2002-2209/099-000 3 4 50



Double-deck terminal block; 4-conductor ground terminal block; with end plate; with marker carrier; internally commoned; green-yellow

	Item No.	Pack. Unit
O PE ₪	2002-2237/099-000 4	50

Double-deck terminal block: 4-conductor ground terminal block; with end plate; without marker carrier; internally commoned; green-yellow

PE © 2002-2207/099-000 <b>4</b> 50
------------------------------------

#### **Technical Data**

0.25 ... 2.5 (4) mm<sup>2</sup> 800 V / 8 kV / 3 2 I<sub>N</sub> 24 A

22 ... 12 AWG 600 V, 20 A**N** 600 V, 20 A@

Terminal block width: 6.2 mm / 0.244 inch



Double-deck terminal block; shield/through terminal block; with end plate; with marker carrier; gray

	Item No.	Pack. Unit
○ Shield/N	2002-2248/099-000	50
Shield/L	2002-2258/099-000	50

Double-deck terminal block; shield/through terminal block; with end plate; without marker carrier; gray

○ Shield/N	2002-2218/099-000	50
○ Shield/L	2002-2228/099-000	50

Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted

2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree

via push-in termination.

- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications. 440 V; 20 A 18 A jumper

Please observe the application notes: Jumpers, from page 185 Testing accessories, page 181 Marking, from page 322

A protective warning marker and an insulation stop must be applied individually. Due to the 6.2 mm width of double-deck terminal blocks with end plates, 2004 Series Push-In Type Jumper Bars must be used.

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2002 Series

Appropriate marking systems: WMB/Marking strips

#### End and intermediate plate; 0.8 mm thick

-	orange
4	gray

orange	2002-2292	100 (25)
gray	2002-2291	100 (25)

#### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

mm

light gray 2002-171 200 (25)

### Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>



dark gray 2002-172 200 (25)

#### Push-in type jumper bar; insulated; $I_{\text{N}}$ 32 A; light gray



2-way	2004-402	25	
3-way	2004-403	25	
4-way	2004-404	25	
5-way	2004-405	25	
6-way	2004-406	25	
7-way	2004-407	25	
8-way	2004-408	25	
9-way	2004-409	25	
10-way	2004-410	25	

### Push-in type jumper bar; insulated; I<sub>N</sub> 32 A; light gray

-	1 to 3	2004-433	25
V	1 to 4	2004-434	25
1	1 to 5	2004-435	25
	1 to 6	2004-436	25
	1 to 7	2004-437	25
	1 to 8	2004-438	25
	1 to 9	2004-439	25
	1 to 10	2004-440	25

## Double-deck vertical jumper; insulated; $I_N$ 24 A

light gray	2002-492	100 (25)
orange	2002-492/00	0-012
		100 (25)

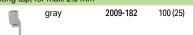
#### Accessories; 2002 Series

Appropriate marking systems: WMB/Marking strips

#### Test plug adapter; for 4 mm Ø test plug; $I_N$ 10 A



#### Testing tap; for max. 2.5 mm<sup>2</sup>



#### Protective warning marker; with black high-voltage symbol; for 5 terminal blocks



yellow 2002-115 100 (25)

### Marking strip; plain; 11 mm wide; 50 m reel



#### WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable



#### Double-deck marker carrier; pivoting gray



2002-121 50 (25)

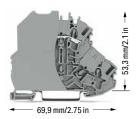


# Double-Deck Terminal Block TOPJOB® S

## 2.5 (4) mm<sup>2</sup>; 2002 Series

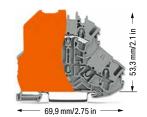
**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 1000 VAC/DC / 1500 VDC / 12 kV / 3 2  $I_N 24 A$ 1000 V, 20 A 🕦 Terminal block width: 7.2 mm / 0.283 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 1000 VAC/DC / 1500 VDC / 12 kV / 3 2 1000 V, 20 A 👊 Terminal block width: 7.2 mm / 0.283 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch



Double-deck terminal block; contact insert only on upper deck; gray separator plate; oversized; gray Item No.

2002-2201/097-000



Double-deck terminal block; contact insert only on upper deck; orange separator plate; oversized; gray

Item No. Pack. Unit 2002-2201/098-000

Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

2 1000 VAC/DC = rated voltage 12 kV = rated impulse voltage 3 = pollution degree

> Please observe the application notes: Testing accessories, page 181 Marking, from page 322

A protective warning marker and an insulation stop must be applied individually.

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2002 Series

Appropriate marking systems: WMB/Marking strips

light gray 2002-171 200 (25) mm

Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>

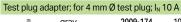
2002-172 200 (25)

00000

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

Tiriti

yellow 2002-115 100 (25)



2009-174 100 (25) arav

Testing tap; for max. 2.5 mm<sup>2</sup> 2009-182 100 (25) gray

Marking strip; plain; 11 mm wide; 50 m reel white 2009-110

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

793-5501

Double-deck marker carrier; pivoting

gray

2002-121

50 (25)

5

# Double-Deck Terminal Block TOPJOB® S; with Vertical Conductor Entry 2.5 (4) mm²; 2002 Series

#### 

 Technical Data

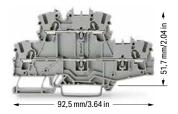
 0.25 ... 2.5 (4) mm² ↑
 22 ... 12 AWG

 800 V / 8 kV / 3 ♠
 600 V, 20 A N

 I<sub>N</sub> 24 A (28 A)
 600 V, 24 A €

 Terminal block width: 5.2 mm / 0.205 inch

□ 10 ... 12 mm / 0.39 ... 0.47 inch



Double-deck terminal block; through/through terminal block; with vertical conductor entry; without marker carrier; gray

	Item No.	Pack. Unit
○ L/L ©	2002-2701 4	50
○ N/L ⑤	2002-2702 4	50
○ L/N ⓑ	2002-2703 4	50

Double-deck terminal block; through/through terminal block; with vertical conductor entry; without marker carrier; blue

○ N/N ⓑ 2002-2704 ❸ ❹ 50

Double-deck terminal block; through/through terminal block; with vertical conductor entry; with marker carrier; gray

gray

○ L/L ⑤ 2002-2731 **④** 50



Double-deck terminal block; ground conductor/through terminal block; with vertical conductor entry; without marker carrier; gray

	Item No.	Pack. Unit
○ PE/N ®	2002-2717 4	50
O PE/L ©	2002-2727 4	50

Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

800 V = rated voltage8 kV = rated impulse voltage3 = pollution degree

3 Terminal blocks with a blue insulated housing are suitable for Ex i applications.

Terminal blocks with an Ex mark are suitable for Ex e II applications.
550 V; 21 A

17 A jumper and 16 A staggered jumper Please observe the application notes: Jumpers, from page 182

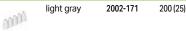
Testing accessories, page 181 Marking, from page 322 Approvals and corresponding ratings,

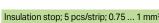
# visit www.wago.com Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

End and inte	ermediate plate	e; 0.8 mm thick		
-	orange	2002-2792	100 (25)	
	gray	2002-2791	100 (25)	

## Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm²





2-way

dark gray 2002-172 200 (25)

2002-402

25

Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray



- 51,7 mm/2.04 in

Double-deck terminal block; 4-conductor through terminal block; with vertical conductor entry; without marker carrier; internally commoned; violet conductor entry; gray

92.5 mm/3.64 in

	Item No.	Pack. Unit
∩ L &	2002-2708	50

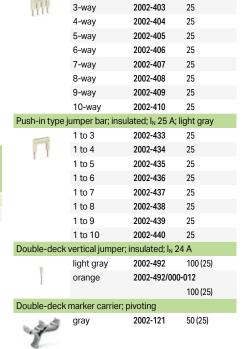
Double-deck terminal block; 4-conductor through terminal block; with vertical conductor entry; without marker carrier; internally commoned; violet conductor entry; blue

● N ⓑ 2002-2709 **⑤ ④** 50



Double-deck terminal block; 4-conductor ground terminal block; with vertical conductor entry; without marker carrier; internally commoned; green-yellow

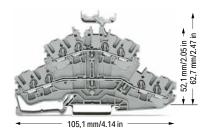
	item No.	Pack. Unit
O PE	2002-2707	50
O PE ₪	2002-2707/999-950 4	50



# 4-Conductor Double-Deck Terminal Block TOPJOB® S 2.5 (4) mm²; 2002 Series

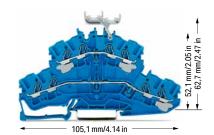
## 2.0 ( 1) 111111 , 2002 001N

Technical Data	
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG
800 V / 8 kV / 3 2	600 V, 20 A <b>RL</b>
I <sub>N</sub> 24 A (28 A)	600 V, 20 A®
Terminal block width: 5.2 m	m / 0.205 inch
■ 10 12 mm / 0.39	0.47 inch



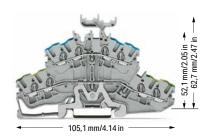
4-conductor double-deck terminal block; through/ through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
○ L/L &	2002-2431 4	50
○ N/L ⑤	2002-2432 4	50
◯ L/N ©	2002-2433 4	50



4-conductor double-deck terminal block; through/ through terminal block; with marker carrier; blue

	Item No.	Pack. Unit
N/N ⊕	2002-2434 3 4	50



4-conductor double-deck terminal block; ground conductor/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
○ PE/N ©	2002-2447 4	50
○ PE/L ©	2002-2457 4	50

4-conductor double-deck terminal block; through/ through terminal block; without marker carrier; gray

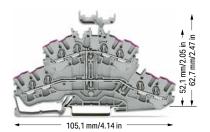
○ L/L ®	2002-2401 4	50
○ N/L ⑤	2002-2402 4	50
○ L/N ⓑ	2002-2403 4	50

4-conductor double-deck terminal block; through/ through terminal block; without marker carrier; blue

N/N 🚱	2002-2404 🔞 🙆	50

4-conductor double-deck terminal block; ground conductor/through terminal block; without marker carrier; gray

○ PE/N ⓑ	2002-2417 4	50
O PE/L ©	2002-2427 4	50

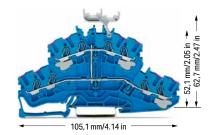


4-conductor double-deck terminal block; 8-conductor through terminal block; with marker carrier; internally commoned; violet conductor entry; gray

	Item No.	Pack. Unit
○ L ©	2002-2438 4	50

4-conductor double-deck terminal block; 8-conductor through terminal block; without marker carrier; internally commoned; violet conductor entry; gray

0000 0400 🗪		,, ,	
○ L ₩ 2002-2408 <b>4</b> 50	○ L ©	2002-2408 4	50

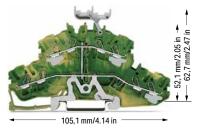


4-conductor double-deck terminal block; 8-conductor through terminal block; with marker carrier; internally commoned; violet conductor entry; blue

	Item No.	Pack. Unit
N ₪	2002-2439 3 4	50

4-conductor double-deck terminal block; 8-conductor through terminal block; without marker carrier; internally commoned; violet conductor entry; blue

N 🗟	2002-2409 3 4	50



4-conductor double-deck terminal block; 8-conductor ground terminal block; with marker carrier; internally commoned; green-yellow

		Item No.	Pack. Unit
,	PE 😡	2002-2437 4	50

4-conductor double-deck terminal block; 8-conductor ground terminal block; without marker carrier; internally commoned; green-yellow

PE 🐵	2002-2407 4	50	

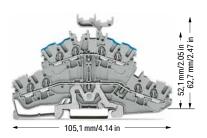
#### **Technical Data**

0.25 ... 2.5 (4) mm<sup>2</sup> 800 V / 8 kV / 3 2 I<sub>N</sub> 24 A (28 A)

22 ... 12 AWG 600 V, 20 A**N** 600 V, 20 A@

Terminal block width: 5.2 mm / 0.205 inch

10 ... 12 mm / 0.39 ... 0.47 inch



#### 4-conductor double-deck terminal block; shield/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
○ Shield/N	2002-2448	50
Shield/L	2002-2458	50

4-conductor double-deck terminal block; shield/through terminal block; without marker carrier; gray

○ Shield/N	2002-2418	50
○ Shield/I	2002-2428	50

Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1... 4 mm<sup>2</sup> "s" and 1... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications. 550 V; 21 A

17 A jumper and 16 A staggered jumper

Please observe the application notes: Jumpers, from page 182 Testing accessories, page 181 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### End and intermediate plate; 0.8 mm thick



2002-2492 100 (25) orange 2002-2491 100 (25) gray

#### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup> light gray



2002-171 200 (25)

#### Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup> dark grav



2002-172 200 (25)

#### Push-in type jumper bar; insulated; $I_N$ 25 A; light gray



2002-402 2-way 25 2002-403 25 3-way 2002-404 25 4-way 5-way 2002-405 25 6-way 2002-406 25 2002-407 25 7-way 2002-408 8-way 25 2002-409 25 9-way 10-way 2002-410 25

## Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray



2002-433 1 to 3 25 1 to 4 2002-434 25 2002-435 25 1 to 5 1 to 6 2002-436 25 1 to 7 2002-437 25 1 to 8 2002-438 25 1 to 9 2002-439 25 1 to 10 2002-440 25

#### Double-deck vertical jumper; insulated; $I_N$ 24 A

light gray 2002-492 100 (25) orange 2002-492/000-012 100 (25)

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks



yellow

2002-115

100 (25)

## Test plug adapter; for 4 mm Ø test plug; I<sub>N</sub> 10 A gray

2009-174

100 (25)

100 (25)

#### Testing tap; for max. 2.5 mm<sup>2</sup>

gray



2009-182

#### Marking strip; plain; 11 mm wide; 50 m reel 2009-110



WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable



2009-115 white

## WMB marking card; white; 10 strips with 10 markers/card;



#### Double-deck marker carrier; pivoting



gray

2002-121 50 (25)

Double-deck terminal block assembly



## Double-Deck Terminal Block TOPJOB® S

## 2.5 (4) mm<sup>2</sup>; 2002 Series

Technical Data 0.25 ... 2.5 (4) mm<sup>2</sup> 1 500 V / 6 kV / 3 2

I<sub>N</sub> 24 A (28 A)

22 ... 12 AWG 300 V, 20 A **%** 300 V, 20 A **%** 

Terminal block width: 5.2 mm / 0.205 inch

10 ... 12 mm / 0.39 ... 0.47 inch

**Technical Data** 

Terminal block width: 5.2 mm / 0.205 inch

10 ... 12 mm / 0.39 ... 0.47 inch

**Technical Data** 

0.25 ... 2.5 (4) mm<sup>2</sup> 1 22 ... 12 AWG 500 V / 6 kV / 3 2 300 V, 20 A 74

I<sub>N</sub> 24 A (28 A) 300 V, 20 A®

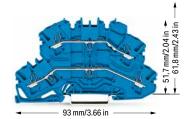
Terminal block width: 5.2 mm / 0.205 inch 12 mm / 0.39 ... 0.47 inch



Double-deck terminal block; through/through terminal block; same profile as double-deck disconnect terminal block; without marker carrier; gray

	Item No.	Pack. Unit
○ L/L ⓑ	2002-2601 4	50
○ N/L &	2002-2602 4	50
○ L/N ⓑ	2002-2603 4	50

Other terminal blocks with the same profile:			
Carrier	2002-2661	Page 72	
Disconnect	2002-2671	Page 72	
Fuse	2002-2611	Page 73	



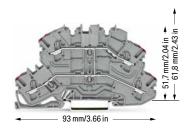
Double-deck terminal block; through/through terminal block; same profile as double-deck disconnect terminal block; without marker carrier; blue

	Item No.	Pack. Unit
N/N ⑤	2002-2604 3 4	50



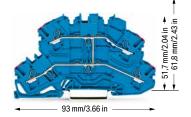
Double-deck terminal block; ground conductor/through terminal block; same profile as double-deck disconnect terminal block; without marker carrier; gray

	Item No.	Pack. Unit
○ PE/N ⓑ	2002-2647 4	50
O PE/L ®	2002-2657	50



Double-deck terminal block; 4-conductor through terminal block; same profile as double-deck disconnect terminal block; without marker carrier; internally commoned; violet conductor entry; gray

	Item No.	Pack. Unit
○ L ©	2002-2608 4	50



Double-deck terminal block; 4-conductor through terminal block; same profile as double-deck disconnect terminal block; without marker carrier; internally commoned; violet conductor entry; blue

	Item No.	Pack. Unit
N ⊕	2002-2609 3 4	50



Double-deck terminal block; 4-conductor ground terminal block; same profile as double-deck disconnect terminal block; without marker carrier; internally commoned; green-yellow

	Item No.	Pack. Unit
O PE ₪	2002-2607 4	50

- Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1 ... 4 mm2 "s" and 1 ... 2.5 mm2 "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 500 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II 440 V; 14 A

Please observe the application notes: Jumpers, from page 182 Testing accessories, page 181 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### End and intermediate plate; 1 mm thick



2002-2692 100 (25) 2002-2691 100 (25)

#### Insulation stop: 5 pcs/strip: 0.25 ... 0.5 mm<sup>2</sup>



light gray 2002-171 200 (25)

#### Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>



2002-172 200 (25) dark grav

#### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray



2002-402 25 2-way 2002-403 25 3-wav 4-way 2002-404 25 5-way 2002-405 25 6-way 2002-406 25 25 2002-407 7-way 2002-408 25 8-way 2002-409 25 9-way 10-way 2002-410 25

#### Push-in type jumper bar; insul ated; I<sub>N</sub> 25 A; light gray



1 to 3 2002-433 25 2002-434 1 to 4 25 2002-435 1 to 5 25 1 to 6 2002-436 25 1 to 7 2002-437 25 25 2002-438 1 to 8 1 to 9 2002-439 25 2002-440 25 1 to 10

#### nsulated; I<sub>N</sub>

light gray 2002-492 100 (25) 2002-492/000-012 orange 100 (25)

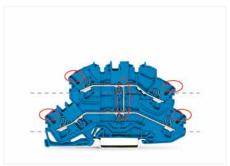
#### Double-deck marker carrier; pivoting



2002-121 50 (25)



Through terminal blocks (Item No. 2002-2601) feature two independent current bars on both lower and upper deck, sharing the same profile as disconnect terminal blocks. These terminal blocks can be commoned via double-deck vertical jumpers (Item No. 2002-492).

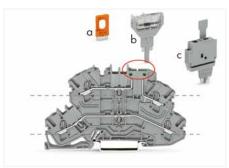


4-conductor through terminal blocks (Item No. 2002-2609) with internal commoning can be immediately identified via violet conductor entry.



Double-deck disconnect terminal blocks with a pivoting knife disconnect (Item No. 2002-2671) can be used as through terminal blocks on the lower deck and as disconnect terminal blocks on the upper deck.

Besides disconnection and measurement, double-deck carrier terminal blocks (Item No. 2002-2667) also provide ground conductor functionality.



Carrier terminal blocks (Item No. 2002-2661) have the same design as disconnect terminal blocks.

- The following components may be used:
- Disconnect plugs (a: Item No. 2002-401)
- Pluggable diode (b: Item No. 2002-800/1000-411) LED module (Item No. 2002-800/1000-541,
- no illustration)
- Fuse plug (c: 2004-911)



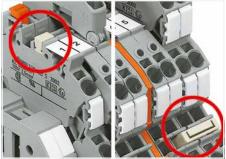
Double-deck fuse disconnect terminal blocks with a pivoting fuse holder (Item No. 2002-2611, gray) are compatible with disconnect, carrier, through and ground conductor terminal blocks. The fuse holder is also available with a blown fuse LED indicator (e.g., Item No. 2002-2611/1000-541 for 12-30 V).



An end plate for fuse disconnect terminal blocks (shown in orange, Item No. 2002-1092) is used for additional protection, preventing the fuse holder from being opened. The fuse cannot be replaced until disconnecting the fuse holder from the power supply.



The same profile allows for commoning with double-deck terminal blocks (upper deck) and with triple-deck terminal blocks (lower deck).



Left picture - Vertical jumper (Item No. 2002-492) Right picture - Push-in type jumper bar (2002 Series)

71

## Double-Deck Disconnect Terminal Block, Double-Deck Carrier Terminal Block TOPJOB® S 2.5 (4) mm<sup>2</sup>; 2002 Series

#### **Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 400 V / 6 kV / 3 2 300 V, 15 A 🗫 I<sub>N</sub> 16 A 300 V, 15 A@ Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch

Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
400 V / 6 kV / 3 2	300 V, 15 A <b>9</b>	
I <sub>N</sub> 16 A	300 V, 15 A@	
Terminal block width: 5.2 mm / 0.205 inch		
10 12 mm / 0.39 0.47 inch		



Double-deck disconnect terminal block; with a pivoting
knife disconnect; gray

	Item No.	Pack. Unit
○ L/L ®	2002-2671 3	50
N/L	2002-2672 3	50

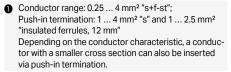
Other terminal blocks with the same profile:			
Through 2002-2601 Page			
Fuse	2002-2611	Page 73	



Double-deck carrier terminal block; upper-deck base;
gray

93 mm/3.66 in

	Item No.	Pack. Unit
L/L	2002-2661 3	50
N/I	2002-2662	50



2 400 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree

Terminal blocks with an Ex mark are suitable for Ex e II applications. 440 V; 14 A

Please observe the application notes: Jumpers, from page 182 Testing accessories, page 181 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

End and intermediate plate; 1 mm thick				
all halfs.	orange	2002-2692	100 (25)	
	gray	2002-2691	100 (25)	







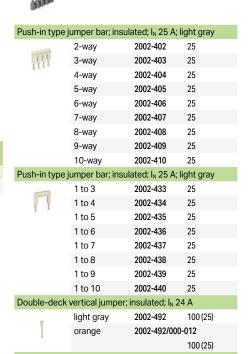
Double-deck disconnect terminal block; with a	a pivoting
knife disconnect; gray	

	Item No.	Pack. Unit
○ Shield/L	2002-2678 3	50



Double-deck carrier terminal block; upper-deck base;
grav

	Item No.	Pack. Unit
O PE/I ©	2002-2667	50





Double-deck marker carrier; pivoting gray

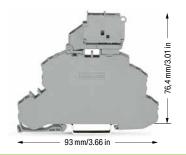
50 (25)

## Double-Deck Fuse Terminal Block TOPJOB® S 2.5 (4) mm<sup>2</sup>; 2002 Series

#### **Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 250 V / 6 kV / 3 2 300 V, 6.3 A**W** I<sub>N</sub> 6.3 A 300 V, 6,3 A@ Terminal block width: 6.2 mm / 0.244 inch

□ 10 ... 12 mm / 0.39 ... 0.47 inch

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 30 V, 6.3 A 🕦 250 V / 6 kV / 3 2 I<sub>N</sub> 6.3 A 30 V, 6,3 A@ Terminal block width: 6.2 mm / 0.244 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch

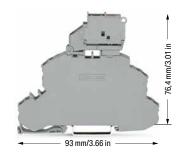


Double-deck fuse disconnect terminal block with a pivoting fuse holder; through/fuse terminal block; for 5 x 20 mm glass cartridge fuse; without blown fuse indication; gray

Electrical ratings are given by the fuse.

Other terminal blocks with the same profile:

	Item No.	Pack. Unit
○ L/L ⑤	2002-2611 3	25
○ N/L ⑤	2002-2612 3	25



Double-deck fuse disconnect terminal block with a pivoting fuse holder; through/fuse terminal block; for 5 x 20 mm glass cartridge fuse; with blown fuse indication by LED; gray

Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED

	Item No.	Pack. Unit
○ 12 30 V ⓑ	2002-2611/1000-541 3 4	25
◯ 30 65 V 🗟	2002-2611/1000-542 3 6	25
○ 230 V ⓑ	2002-2611/1000-836 3	25
○ 120 V ⑤	2002-2611/1000-867 3	25

Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 2 250 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree
- 3 Terminal blocks with an Ex mark are suitable for Ex e II applications. 275 V; 6.3 A
- 4 30 V / 0,8 kV / 3
- 6 65 V / 1,5 kV / 3

Please observe the application notes Jumpers, from page 185 Marking, from page 322

A protective warning marker and an insulation stop must be applied individually. Due to the 6.2 mm width of double-deck terminal blocks with end plates, 2004 Series Push-In Type Jumper Bars must be used.

Approvals and corresponding ratings, visit www.wago.com



Additionally, an end plate for fuse terminal blocks (e.g., Item No. 2002-1092, orange) must be used at the end of an assembly or if there is no adjacent fuse terminal block.

#### Accessories; 2002 Series

Through

Appropriate marking systems: WMB/Marking strips

orange 20	002-2692	100 (25)
gray 20	002-2691	100 (25)

2002-2601

nd and inter	mediate plate; 1	I mm thick		
- Charles	orange	2002-2692	100 (25)	
	gray	2002-2691	100 (25)	

11/11			
Insulation	n stop; 5 pcs/strip; (	0.75 1 mm²	
	dark gray	2002-172	200 (25)

2002-171

200 (25)

Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

light gray

white

O,

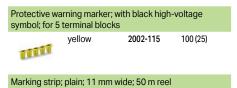
	orange	2002-1092	100 (25)
	gray	2002-1091	100 (25)
Push-in type jumper bar; insulated; I <sub>N</sub> 32 A; light gray			

End plate for fuse terminal blocks; 2 mm thick

	ampor bar, mount	1000, 11, 02 , 1, 11	9.10 9.07
	2-way	2004-402	25
111	3-way	2004-403	25
(3.5)	4-way	2004-404	25
	5-way	2004-405	25
	6-way	2004-406	25
	7-way	2004-407	25
	8-way	2004-408	25
	9-way	2004-409	25

	9-way	2004-409	25
	10-way	2004-410	25
Push-in type j	umper bar; insul	ated; I <sub>N</sub> 32 A; lig	ght gray
-	1 to 3	2004-433	25
V	1 to 4	2004-434	25
1	1 to 5	2004-435	25
	1 to 6	2004-436	25
	1 to 7	2004-437	25
	1 to 8	2004-438	25
	1 to 9	2004-439	25
	1 to 10	2004-440	25
Double-deck vertical jumper; insulated; I <sub>N</sub> 24 A			

ouble-deck vertical jumper; insulated; I <sub>N</sub> 24 A			
	light gray	2002-492	100 (25)
1	orange	2002-492/00	0-012
			100 (25)



WMB marking card; white; 10 strips with 10 markers/card;

2009-110





An intermediate plate is supplied with all 6.2 mm wide fused disconnect terminal blocks. Due to the 6.2 mm width of fuse disconnect terminal blocks with a pivoting fuse holder, 2004 Series Push-In Type Jumper Bars must be used.

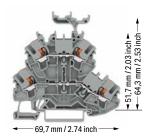


## Double-Deck Terminal Block TOPJOB® S; with Push-Button 2.5 (4) mm<sup>2</sup>; 2202 Series

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 300 V, 20 A 🗫 500 V / 6 kV / 3 2 I<sub>N</sub> 23 A (28 A) 300 V, 20 A@ Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch

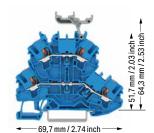
**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 300 V, 20 A 🕦 500 V / 6 kV / 3 2 I<sub>N</sub> 23 A (28 A) 300 V, 20 A@ Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 300 V, 20 A 🗫 500 V / 6 kV / 3 2 I<sub>N</sub> 23 A (28 A) 300 V, 20 A@ Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch



Double-deck terminal block; through/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
○ L/L ⑤	2202-2231 4	50
○ N/L &	2202-2232 4	50
○ L/N ⓑ	2202-2233 4	50



Double-deck terminal block; through/through terminal block; with marker carrier; blue

	Item No.	Pack. Unit
N/N ⊕	2202-2234 3 4	50



Double-deck terminal block; ground conductor/through terminal block; with marker carrier; blue

	Item No.	Pack. Unit
○ PE/N ⑤	2202-2247 4	50
O PE/L 😡	2202-2257 4	50

Double-deck terminal block; through/through terminal block; without marker carrier; gray

○ L/L ⑥	2202-2201 4	50
○ N/L ⑤	2202-2202 4	50
◯ L/N ©	2202-2203 4	50

Double-deck terminal block; through/through terminal block; without marker carrier; blue

N/N ®	2202-2204 3 4	50

Double-deck terminal block; ground conductor/through

terminal block, without marker carrier, gray			
	○ PE/N ⓑ	2202-2217 4	50
	○ PE/L ©	2202-2227 4	50

Double-deck terminal block; through/through terminal block; without marker carrier; orange

N/L ⑤ 2202-2206



Double-deck terminal block; 4-conductor through terminal block; with marker carrier; internally commoned; violet conductor entry; gray

	Item No.	Pack. Unit
∩ L ©	2202-2238 4	50

69.7 mm / 2.74 inch

Double-deck terminal block; 4-conductor through terminal block; with marker carrier; internally commoned; violet conductor entry: blue

	Item No.	Pack. Unit
N ₪	2202-2239 3 4	50

69.7 mm / 2.74 inch

	Item No.	Pack. Unit
N ₪	2202-2239 3 4	50

Double-deck terminal block; 4-conductor ground terminal block; with marker carrier; internally commoned; green-yellow

	item No.	Fack. Offic
PE ₪	2202-2237 4	50

Double-deck terminal block; 4-conductor through terminal block; without marker carrier; internally commoned;

violet conductor criti y, gray			
O L ₪	2202-2208 4	50	

Double-deck terminal block; 4-conductor through terminal block; without marker carrier; internally commoned;

violet conductor entry; blue			
N ₪	2202-2209 3 4	50	

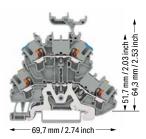
Double-deck terminal block; 4-conductor ground terminal block; without marker carrier; internally commoned;

green-yellow			
○ PE ⑤	2202-2207 4	50	

#### **Technical Data**

Terminal block width: 5.2 mm / 0.205 inch

E 10 ... 12 mm / 0.39 ... 0.47 inch



## Double-deck terminal block; shield/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
○ Shield/N	2202-2248	50
Shield/L	2202-2258	50

## Double-deck terminal block; shield/through terminal block; without marker carrier; gray

○ Shield/N	2202-2218	50
○ Shield/L	2202-2228	50

Conductor range: 0.25 ... 4 mm² "s+f-st";
 Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm"
 Depending on the conductor characteristic. a conduc-

Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 500 V = rated voltage
   6 kV = rated impulse voltage
   3 = pollution degree
- 3 Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### End and intermediate plate; 0.8 mm thick

-	orange	2002-2292	100 (25)
	gray	2002-2291	100 (25)

#### Ex e/Ex i separator; orange; 3 mm thick



## Separator plate; oversized upper deck; snap-on type; 2 mm thick

400	orange	2002-2296	100 (25)
	gray	2002-2295	100 (25)

#### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

light gray 2002-171 200 (25)

#### Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>

dark gray 2002-172 200 (25)

#### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray



#### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray

1 to 10



2002-440

25

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Double-deck vertical jumper; insulated; $I_N$ 24 A

light gray 2002-492 100 (25) orange 2002-492/000-012 100 (25)

2002-121

#### Double-deck marker carrier; pivoting



gray

50

50 (25)



Double-deck terminal block assembly



Both ground and shield conductor terminal blocks have a contact foot in the bottom level, automatically establishing direct contact to the DIN-rail or busbar.

The flexible double-deck marker carrier, which is placed above the wiring level, can be pushed aside during wiring. The carrier has two staggered levels for WMB markers that perfectly align with the terminal block decks. With a terminal block width of just 5.2 mm, an effective width of just 2.6 mm for terminal blocks of same or different potentials can be realized for conductors ranging 0.25 mm² ... 4 mm² (22 ... 12 AWG).

Shielded control cables are becoming an increasingly common solution to external signal interference.
Front-entry shield conductor terminal blocks are ideal for connecting braided cables. Like front-entry ground conductor terminal blocks, they are equipped with a grounding foot for direct electrical connection to the rail, however they differ significantly by their white insulated housing. Shield conductor terminal blocks for front-entry wiring can be directly mounted beside signal-conductor terminal blocks, providing excellent deflection of interfering signals.



## Triple-Deck Terminal Block TOPJOB® S

### 1 (1.5) mm<sup>2</sup>; 2000 Series



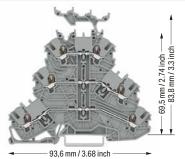
0.14 ... 1 (1.5) mm<sup>2</sup> 1 500 V / 6 kV / 3 2

24 ... 16 AWG 300 V, 15 A®

I<sub>N</sub> 13,5 A (15 A)

Terminal block width: 3,5 mm / 0.138 inch

9 ... 11 mm / 0.35 ... 0.43 inch

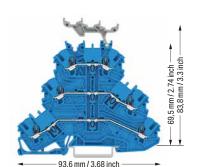


## Triple-deck terminal block; through/through/through terminal block; with marker carrier; gray

	item No.	Pack. UIII
○ L/L/L ®	2000-3231 4	50
○ L/L/N ⓑ	2000-3233 4	50

## Triple-deck terminal block; through/through/through terminal block; without marker carrier; gray

○ L/L/L	2000-3201 4	50
○ L/L/N	2000-3203 4	50



Triple-deck terminal block; through/through/through terminal block; with marker carrier; blue

	Item No.	Pack. Unit
N/N/N ®	2000-3234 3 4	50

Triple-deck terminal block; through/through/through terminal block; without marker carrier; blue

#### **Technical Data**

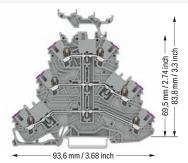
0.14 ... 1 (1.5) mm<sup>2</sup> 1 500 V / 6 kV / 3 2

24 ... 16 AWG 300 V, 15 A®

I<sub>N</sub> 13,5 A (16 A)

Terminal block width: 3,5 mm / 0.138 inch

9 ... 11 mm / 0.35 ... 0.43 inch

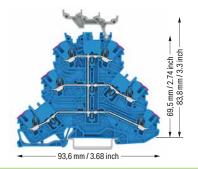


Triple-deck terminal block; 6-conductor through terminal block; with marker carrier; internally commoned; gray

	Item No.	Pack. Unit
○ L 🗟	2000-3238 4	50

Triple-deck terminal block; 6-conductor through terminal block; without marker carrier; internally commoned; gray

○ L 🗟	2000-3208 4	50



Triple-deck terminal block; 6-conductor through terminal block; with marker carrier; internally commoned; blue

	Item No.	Pack. Unit
N ₪	2000-3239 4	50

Triple-deck terminal block; 6-conductor through terminal block; without marker carrier; internally commoned; blue

)	N 🗟	2000-3209 4	50

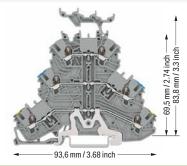
**Technical Data** 

0.14 ... 1 (1.5) mm<sup>2</sup> 1 24 ... 16 AWG 500 V / 6 kV / 3 2 300 V, 15 A®

I<sub>N</sub> 13,5 A (15 A)

Terminal block width: 3,5 mm / 0.138 inch

9 ... 11 mm / 0.35 ... 0.43 inch

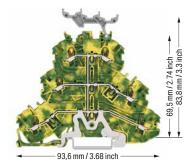


Triple-deck terminal block; ground conductor/through/ through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
O PE/N/L ®	2000-3247 4	50
O PE/L/L ®	2000-3257 4	50

Triple-deck terminal block; ground conductor/through/ through terminal block; without marker carrier; gray

		- , 5 - ,
O PE/N/L ©	2000-3217 4	50
○ PE/L/L ©	2000-3227 <b>4</b>	50



Triple-deck terminal block; 6-conductor ground terminal block; with marker carrier; internally commoned; green-yellow

	Item No.	Pack. Unit
O PE ₪	2000-3237 4	50

Triple-deck terminal block; 6-conductor ground terminal block; without marker carrier; internally commoned; green-yellow

green-yellow		
O PE ₪	2000-3207 4	50



#### **Technical Data**

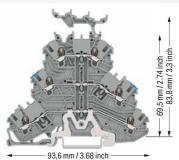
0.14 ... 1 (1.5) mm<sup>2</sup> 1 500 V / 6 kV / 3 2

24 ... 16 AWG 300 V, 15 A®

I<sub>N</sub> 13,5 A (15 A)

Terminal block width: 3,5 mm / 0.138 inch

 $\blacksquare \blacksquare \blacksquare 9 \dots 11 \; \text{mm} \, / \, 0.35 \dots 0.43 \, \text{inch}$ 



## Triple-deck terminal block; shield/through/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
○ Shield/N/L ⓑ	2000-3248	50
○ Shield/L/L ⓑ	2000-3258	50

## Triple-deck terminal block; shield/through/through terminal block; without marker carrier; gray

○ Shield/N/L ⓑ	2000-3218	50
○ Shield/L/L ⓑ	2000-3228	50

Conductor range: 0.14 ... 1.5 mm² "s+f-st"; Push-in termination: 0.5 mm² "s" and 0.5 ... 0.75 mm² "insulated ferrules, 10 mm"

Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 500 V = rated voltage
   6 kV = rated impulse voltage
   3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2000 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

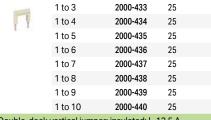
#### End and intermediate plate; 0.7 mm thick

- 00	gray	2000-3291	25
-	orange	2000-3292	25

#### Push-in type jumper bar; insulated; $I_N$ 13.5 A; light gray

W	2-way	2000-402	25	
	3-way	2000-403	25	
	4-way	2000-404	25	
	5-way	2000-405	25	
	6-way	2000-406	25	
	7-way	2000-407	25	
	8-way	2000-408	25	
	9-way	2000-409	25	
	10-way	2000-410	25	

#### Push-in type jumper bar; insulated; $I_{\text{N}}$ 13.5 A; light gray



#### Double-deck vertical jumper; insulated; $I_{\text{N}}$ 13.5 A

light gray 2000-492 100 (25)

#### Triple-deck vertical jumper; insulated

light gray 2000-493 100 (25)

100 (25)

## Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

THUT

ow **2000-115** 

#### Test plug adapter; for 4 mm Ø test plug; I<sub>N</sub> 10 A



#### Accessories; 2000 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Testing tap; for max. 2.5 mm<sup>2</sup>

gray 2009-182 100 (25)

#### Marking strip; plain; 11 mm wide; 50 m reel



#### WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel



## WMB marking card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width

plain 793-3501 5

#### Triple-deck marker carrier; pivoting





# Triple-Deck Terminal Block TOPJOB® S; with Push-Button 1 (1.5) mm²; 2200 Series

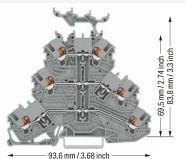
Technical Data
0.14 ... 1 (1.5) mm<sup>2</sup> 1
500 V / 6 kV / 3 2

24 ... 16 AWG 300 V, 15 A®

I<sub>N</sub> 13,5 A (15 A)

Terminal block width: 3,5 mm / 0.138 inch

9 ... 11 mm / 0.35 ... 0.43 inch



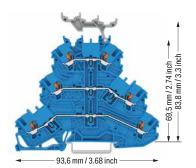
Triple-deck terminal block; with Push-Button; through/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
○ L/L/L ®	2200-3231 4	50
□ I /I /N ©	2200-3233	50

Triple-deck terminal block; with Push-Button; through/ through/through terminal block; without marker carrier; gray

 ○ L/L/L
 2200-3201 4
 50

 ○ L/L/N
 2200-3203 4
 50



Triple-deck terminal block; with Push-Button; through/ through/through terminal block; with marker carrier; blue

	Item No.	Pack. Unit
N/N/N ®	2200-3234 3 4	50

Triple-deck terminal block; with Push-Button; through/through/through terminal block; without marker carrier;

N/N/N ⊕	2200-3204 3 4	50

**Technical Data** 

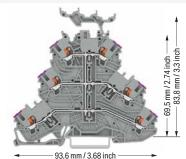
0.14 ... 1 (1.5) mm<sup>2</sup> 1 500 V / 6 kV / 3 2

24 ... 16 AWG 300 V, 15 A®

I<sub>N</sub> 13,5 A (16 A)

Terminal block width: 3,5 mm / 0.138 inch

9 ... 11 mm / 0.35 ... 0.43 inch

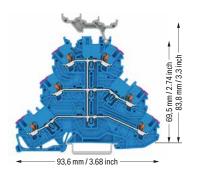


Triple-deck terminal block; with Push-Button; 6-conductor through terminal block; with marker carrier; internally commoned; gray

	Item No.	Pack. Unit
○ L ©	2200-3238 4	50

Triple-deck terminal block; with Push-Button; 6-conductor through terminal block; without marker carrier; internally commoned; gray

○ L ⓑ 2200-3208 **4** 50



Triple-deck terminal block; with Push-Button; 6-conductor through terminal block; with marker carrier; internally commoned; blue

	Item No.	Pack. Unit
N ₪	2200-3239 4	50

Triple-deck terminal block; with Push-Button; 6-conductor through terminal block; without marker carrier; internally commoned; blue

N ©	2200-3209	50
JIN W	2200-3203	30

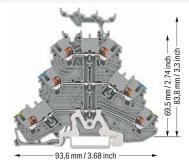
Technical Data

0.14 ... 1 (1.5) mm<sup>2</sup> 1 24 ... 16 AWG 500 V / 6 kV / 3 2 300 V, 15 A®

I<sub>N</sub> 13,5 A (15 A)

Terminal block width: 3,5 mm / 0.138 inch

9 ... 11 mm / 0.35 ... 0.43 inch

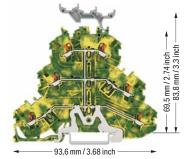


Triple-deck terminal block; with Push-Button; ground conductor/through/through terminal block; with marker carrier; gray

	item No.	Pack. Unit
O PE/N/L ®	2200-3247 4	50
○ PE/L/L  ⑤	2200-3257	50

Triple-deck terminal block; with Push-Button; ground conductor/through/through terminal block; without marker carrier; gray

○ PE/N/L ®	2200-3217 4	50
O PE/L/L ®	2200-3227 🖪	50



Triple-deck terminal block; with Push-Button; 6-conductor ground terminal block; with marker carrier; internally commoned; green-yellow

	Item No.	Pack. Unit
O PE ₪	2200-3237 4	50

Triple-deck terminal block; with Push-Button; 6-conductor ground terminal block; without marker carrier; internally commoned; green-yellow

internally commoned, green-yellow			
PE ©	2200-3207	50	

#### **Technical Data**

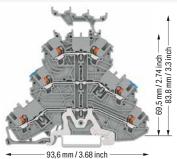
0.14 ... 1 (1.5) mm<sup>2</sup> 500 V / 6 kV / 3 2

24 ... 16 AWG 300 V, 15 A@

I<sub>N</sub> 13,5 A (15 A)

Terminal block width: 3,5 mm / 0.138 inch

2 11 mm / 0.35 ... 0.43 inch



Triple-deck terminal block; with Push-Button; shield/ through/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
○ Shield/N/L ®	2200-3248	50
Shield/L/L	2200-3258	50

Triple-deck terminal block; with Push-Button; shield/ through/through terminal block; without marker carrier; gray

○ Shield/N/L  ⑤	2200-3218	50
Shield/L/L	2200-3228	50

Conductor range: 0.14 ... 1.5 mm2 "s+f-st"; Push-in termination: 0.5 mm<sup>2</sup> "s" and 0.5 ... 0.75 mm<sup>2</sup> "insulated ferrules, 10 mm"

Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 2 500 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2000 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

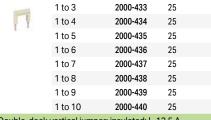
#### End and intermediate plate; 0.7 mm thick

- 00	gray	2000-3291	25
-	orange	2000-3292	25

#### Push-in type jumper bar; insulated; I<sub>N</sub> 13.5 A; light gray

111	2-way	2000-402	25
	3-way	2000-403	25
1,00	4-way	2000-404	25
	5-way	2000-405	25
	6-way	2000-406	25
	7-way	2000-407	25
	8-way	2000-408	25
	9-way	2000-409	25
	10-way	2000-410	25

#### Push-in type jumper bar; insulated; $I_N$ 13.5 A; light gray



#### Double-deck vertical jumper; insulated; $I_N$ 13.5 A

light gray 2000-492 100 (25)

#### Triple-deck vertical jumper; insulated

light gray 2000-493 100 (25)

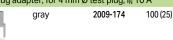
#### Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

min

2000-115

100 (25)

## Test plug adapter; for 4 mm Ø test plug; I<sub>N</sub> 10 A



#### Accessories; 2000 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Testing tap; for max. 2.5 mm<sup>2</sup>

2009-182 100 (25)

#### Marking strip; plain; 11 mm wide; 50 m reel

2009-110

#### WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel



white

2009-113

#### WMB marking card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width

793-3501 5 plain

#### Triple-deck marker carrier; pivoting



gray

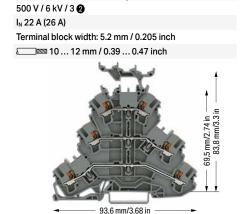
2000-131

50 (25)



22 ... 12 AWG

## Triple-Deck Terminal Block TOPJOB® S; with Push-Button 2.5 (4) mm<sup>2</sup>; 2202 Series



**Technical Data** 

0.25 ... 2.5 (4) mm<sup>2</sup>

Triple-deck terminal block; with push-button; through/ through/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
○ L/L/L	2202-3231 4	50
L/L/N	2202-3233 4	50

Triple-deck terminal block; with push-button; through/ through/through terminal block; without marker carrier; gray

	2	2202-3201 🐠	50
□ L/L/N	2	2202-3203 4	50

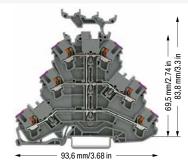


0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 500 V / 6 kV / 3 2

I<sub>N</sub> 24 A (28 A) 3

Terminal block width: 5.2 mm / 0.205 inch

□ 10 ... 12 mm / 0.39 ... 0.47 inch



Triple-deck terminal block; with push-button; 6-conductor through terminal block; with marker carrier; internally commoned; violet conductor entry; gray

	Item No.	Pack. Unit
○ L	2202-3238 4	50

Triple-deck terminal block; with push-button; 6-conductor through terminal block; without marker carrier; internally commoned; violet conductor entry; gray

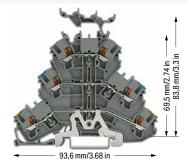
**Technical Data** 

0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG

500 V / 6 kV / 3 2 I<sub>N</sub> 22 A (26 A)

Terminal block width: 5.2 mm / 0.205 inch

□ 10 ... 12 mm / 0.39 ... 0.47 inch

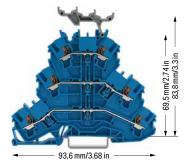


Triple-deck terminal block; with push-button; ground conductor/through/through terminal block; with marker

	item No.	Pack. Unit
O PE/N/L	2202-3247 4	50
O PE/L/L	2202-3257	50

Triple-deck terminal block; with push-button; ground conductor/through/through terminal block; without marker carrier; gray

○ PE/N/L	2202-3217 4	50
O PE/L/L	2202-3227 🖪	50

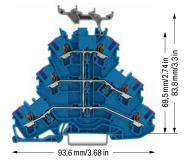


Triple-deck terminal block; with push-button; through/ through/through terminal block; with marker carrier; blue

	Item No.	Pack. Unit
■ N/N/N	2202-3234 🙉 📭	50

Triple-deck terminal block; with push-button; through/ through/through terminal block; without marker carrier;

N/N/N	2202-3204 3 4	50	

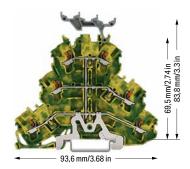


Triple-deck terminal block; with push-button; 6-conductor through terminal block; with marker carrier; internally commoned; violet conductor entry; blue

	Item No.	Pack. Unit
N	2202-3239 4	50

Triple-deck terminal block; with push-button; 6-conductor through terminal block; without marker carrier; internally commoned; violet conductor entry; blue

N	2202-3209 4	50
IN .	2202-3203	50



Triple-deck terminal block; with push-button; 6-conductor ground terminal block; with marker carrier; internally commoned; green-yellow

	Item No.	Pack. Unit
O PE	2202-3237 4	50

Triple-deck terminal block; with push-button; 6-con-

ductor ground terminal block; without marker carrier;		
internally commoned	; green-yellow	
O DE 0000 0007 A FO		

) PE	2202-3207 4	50

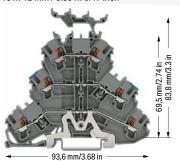
**Technical Data** 

0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG

500 V / 6 kV / 3 2

I<sub>N</sub> 22 A (26 A)

Terminal block width: 5.2 mm / 0.205 inch



Triple-deck terminal block; with push-button; shield/ through/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
○ Shield/N/L	2202-3248	50
Shield/L/L	2202-3258	50

Triple-deck terminal block; with push-button; shield/ through/through terminal block; without marker carrier; gray

○ Shield/N/L	2202-3218	50
Shield/L/L	2202-3228	50

- Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 2 500 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications. 440 V, 19 A 17 A jumper

Please observe the application notes: Jumpers, from page 182 Testing accessories, page 181 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2202 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### End and intermediate plate; 0.8 mm thick



orange	2002-3292	100 (25)
gray	2002-3291	100 (25)

#### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup> light gray



2002-171 200 (25)

200 (25)

#### Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup> 2002-172 dark grav



	2-way	2002-402	25
	3-way	2002-403	25
	4-way	2002-404	25
	5-way	2002-405	25
	6-way	2002-406	25
	7-way	2002-407	25
	8-way	2002-408	25
	9-way	2002-409	25
	10-way	2002-410	25

#### Push-in type jumper bar; insulated; $I_N$ 25 A; light gray

Push-in type jumper bar; insulated;  $I_N$  25 A; light gray

-	1 to 3	2002-433	25	
V	1 to 4	2002-434	25	
1	1 to 5	2002-435	25	
	1 to 6	2002-436	25	
	1 to 7	2002-437	25	
	1 to 8	2002-438	25	
	1 to 9	2002-439	25	
	1 to 10	2002-440	25	

Double-deck vertical jumper; insulated; I <sub>N</sub> 24 A				
	light gray	2002-492	100 (25)	
	ĺ	orange	2002-492/000	-012

#### Triple-deck vertical jumper; insulated; I<sub>N</sub> 24 A

light gray 2002-493 100 (25)

#### Triple-deck marker carrier; pivoting



2002-131 50 (25)

100 (25)



## Triple-Deck Terminal Block TOPJOB® S

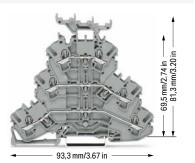
### 2.5 (4) mm<sup>2</sup>; 2002 Series

**Technical Data** 

0.25 ... 2.5 (4) mm<sup>2</sup> 1 22 ... 12 AWG 500 V / 6 kV / 3 2 300 V, 20 A 3 1 600 V, 20 A 3 1 600

Terminal block width: 5.2 mm / 0.205 inch

\_\_\_\_ 10 ... 12 mm / 0.39 ... 0.47 inch



## Triple-deck terminal block; through/through/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
○ L/L/L ®	2002-3231 4	50
○ L/L/N ⓑ	2002-3233 4	50

## Triple-deck terminal block; through/through/through terminal block; without marker carrier; gray

○ L/L/L ©	2002-3201 4	50
○ L/L/N  ⑤	2002-3203 4	50

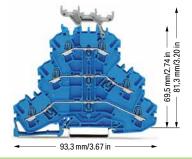
Other terminal blocks with the same profile:	
--	--

Diode	2002-3211/1000-410	Page 172
LED	2002-3221/1000-434	Page 172

**Technical Data** 

Terminal block width: 5.2 mm / 0.205 inch

10 ... 12 mm / 0.39 ... 0.47 inch



Triple-deck terminal block; through/through/through terminal block; with marker carrier; blue

	Item No.	Pack. Unit
N/N/N ⊕	2002-3234 3 4	50

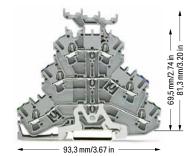
## Triple-deck terminal block; through/through/through terminal block; without marker carrier; blue

	N/N/N 🖘	2002-3204 3 4	50
ノ	14/14/14	2002-3204	30

**Technical Data** 

Terminal block width: 5.2 mm / 0.205 inch

■ 10 ... 12 mm / 0.39 ... 0.47 inch

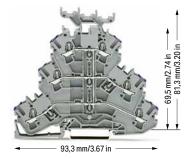


Triple-deck terminal block; ground conductor/through/ through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
O PE/N/L ®	2002-3247 4	50
O PE/L/L ©	2002-3257	50

Triple-deck terminal block; ground conductor/through/ through terminal block; without marker carrier; gray

tillough termina block, without marker carrier, gray		
○ PE/N/L ®	2002-3217 4	50
○ PE/L/L ®	2002-3227 4	50

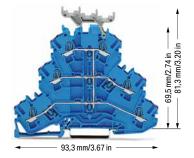


Triple-deck terminal block; 6-conductor through terminal block; with marker carrier; internally commoned; violet conductor entry; gray

	Item No.	Pack. Unit
○ L ©	2002-3238 4	50

Triple-deck terminal block; 6-conductor through terminal block; without marker carrier; internally commoned; violet conductor entry; gray

○ L 😡 2002-32	08 4 50
---------------	---------

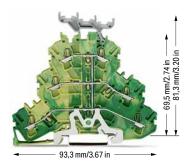


Triple-deck terminal block; 6-conductor through terminal block; with marker carrier; internally commoned; violet conductor entry; blue

	Item No.	Pack. Unit
N ₪	2002-3239 3 4	50

Triple-deck terminal block; 6-conductor through terminal block; without marker carrier; internally commoned; violet conductor entry; blue

N 🗟	2002-3209 3 4	50



Triple-deck terminal block; 6-conductor ground terminal block; with marker carrier; internally commoned; green-yellow

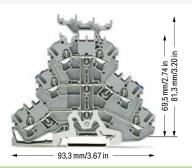
	Item No.	Pack. Unit
O PE ₪	2002-3237 4	50

Triple-deck terminal block; 6-conductor ground terminal block; without marker carrier; internally commoned; green-yellow

9.00 1001.			
	PF ©	2002-3207	50

#### **Technical Data**

Terminal block width: 5.2 mm / 0.205 inch



Triple-deck terminal block; shield/through/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
○ Shield/N/L	2002-3248	50
Shield/L/L	2002-3258	50

## Triple-deck terminal block; shield/through/through terminal block; without marker carrier; gray

$\bigcirc$	Shield/N/L	2002-3218	50
	Shield/L/L	2002-3228	50

- Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 500 V = rated voltage6 kV = rated impulse voltage3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications.
  440 V, 19 A
  17 A jumper

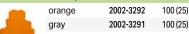
Please observe the application notes: Jumpers, from page 182 Testing accessories, page 181 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### End and intermediate plate; 0.8 mm thick



#### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

light gray 2002-171 200 (25)



Combination of multilevel terminal blocks

#### Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup> dark gray 2002-172



2002-172 200 (25)

## Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray

-	2-way	2002-402	25
11	3-way	2002-403	25
	4-way	2002-404	25
	5-way	2002-405	25
	6-way	2002-406	25
	7-way	2002-407	25
	8-way	2002-408	25
	9-way	2002-409	25
	10-way	2002-410	25

#### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray

,,,,			0 0 ,
1	1 to 3	2002-433	25
V	1 to 4	2002-434	25
1	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 7	2002-437	25
	1 to 8	2002-438	25
	1 to 9	2002-439	25
	1 to 10	2002-440	25
Double-deck	vertical jumper:	insulated: I <sub>N</sub> 24	I A

#### light gray 2002-492 10

light gray	2002-4	92	100 (25)
orange	2002-4	92/000-	012
			100 (25)

#### Triple-deck vertical jumper; insulated; $I_N$ 24 A

light gray 2002-493 100 (25)

#### Triple-deck marker carrier; pivoting



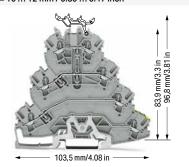


L-type test plug modules (Item No. 2002-611) for testing rail-mount terminal blocks via conductor entries



## Quadruple-Deck Rail-Mount Terminal Block for Wiring of Electric Motors TOPJOB® S 2.5 (4) mm<sup>2</sup>; 2002 Series





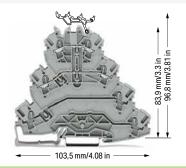
Quadruple-deck rail-mount terminal block; electric motor wiring rail-mount terminal block; without marker carrier;

	item No.	Pack. Utill
O L1 - L2 - L3 - PE 🛭	2002-4127 3	25

Quadruple-deck rail-mount terminal block; electric motor wiring rail-mount terminal block; with marker carrier; gray

L1 - L2 - L3 - PE 2002-4157 
 €

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 800 V / 8 kV / 3 2 600 V, 20 Ac 944 us I<sub>N</sub> 20 A (25 A) 600 V, 20 A@ Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch

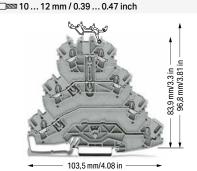


Quadruple-deck rail-mount terminal block; electric motor wiring rail-mount terminal block; without marker carrier;

	Item No.	Pack. Unit
○ L1 - L2 ⓑ	2002-4111	25

Quadruple-deck rail-mount terminal block; electric motor wiring rail-mount terminal block; with marker carrier; gray

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 600 V, 20 A: **%** us 800 V / 8 kV / 3 2 I<sub>N</sub> 20 A (25 A) 600 V, 20 A@ Terminal block width: 5.2 mm / 0.205 inch



Quadruple-deck rail-mount terminal block; electric motor wiring rail-mount terminal block; without marker carrier;

	Item No.	Pack. Unit
O L1-L2-L3 @	2002-4101 3	25

Quadruple-deck rail-mount terminal block; electric motor wiring rail-mount terminal block; with marker carrier; gray

O L1 - L2 - L3 😉 2002-4131 3

#### Accessories; 2002 Series

End and intermediate plate; 1 mm thick

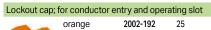
orange	2002-4192	100 (25)
gray	2002-4191	100 (25)

Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup> 2002-171 200 (25) light gray mm

Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup> 2002-172 200 (25) dark gray 00000

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

2002-115 yellow 100 (25)



1	gray	2002-191	25
25 70	blue	2002-194	25
Push-in type	jumper bar; insu	ılated; I <sub>N</sub> 25 A;	light gray
Contract	2-way	2002-402	25
1444	3-way	2002-403	25
1.50	4-way	2002-404	25
	5-way	2002-405	25
	6-way	2002-406	25
	7-way	2002-407	25
	8-way	2002-408	25

9-way

10-way

Appropriate marking systems: WMB/WMB Inline/Marking strips

Push-in type j	umper bar; ınsul	ated; $I_N$ 25 A; $I_V$	ght gray
F	1 to 3	2002-433	25
	1 to 4	2002-434	25
1 -	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 7	2002-437	25
	1 to 8	2002-438	25
	1 to 9	2002-439	25
	1 to 10	2002-440	25

Delta jumper; insulated; I<sub>N</sub> = I<sub>N</sub> terminal block; light gray

2002-406/020-000

Star point jumper; insulated;  $I_N$  =  $I_N$  terminal block; light

ay			
TOTAL	1-3-5	2002-405/011-000	25

Staggered jumper; insulated; I <sub>N</sub> 25 A; light gray					
175.000	2-way	2002-472	25		
# F	3-way	2002-473	25		
3.1	4-way	2002-474	25		
	5-way	2002-475	25		
	6-way	2002-476	25		
	7-way	2002-477	25		
	8-way	2002-478	25		
	9-way	2002-479	25		
	10-way	2002-480	25		
	11-way	2002-481	25		
	12-way	2002-482	25		
Continuous jumper; insulated; I <sub>N</sub> 25 A, light gray					
	5-way	2002-400	25		

Continuous jumper; insulated; I <sub>N</sub> 25 A; light gray					
	1 to 3	2002-423	25		
	1 to 4	2002-424	25		
-					
Continuous jumper; insulated; I <sub>N</sub> 25 A, light gray					

Continuous	jurriper, irisuk	ateu, in 25 A, iigi	it gray	
100	3-way	2002-413	25	
4.6	5-way	2002-415	25	
7.85				

Push-in type wire jumper; insulated; 1.5 mm<sup>2</sup> conductor cross-section: IN 18 A

	L = 60 mm	2009-412	100 (10)
	L = 110 mm	2009-414	100 (10)
4	L = 250 mm	2009-416	100 (10)

2009-110 white

WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; . 5.2 mm stretchable



WMB marking card; white; 10 strips with 10 markers/card; 793-5501

Triple-deck marker carrier; pivoting					
gray	2002-131	50 (25)			

-				
Double-deck	marker ca	arrier; pivoting		
فعل	gray	2002-121	50 (25)	



2002-409

2002-410

25

25

- Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- 3 Terminal blocks with an Ex mark are suitable for Ex e II applications. 440 V, 19 A 17 A jumper

Please observe the application notes: Jumpers, from page 182 Testing accessories, page 181 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



Creating spacer housings for electric motor wiring railmount terminal blocks via lockout caps (Item No. 2002-192) for conductor entry and operating slot.



In addition to rail-mount terminal blocks for electric motor wiring, special versions are also available.

- Version without ground contact and only two potentials:
  These terminal blocks were custom designed to support additional functions, such as engine brakes or temperature sensors. Sharing a common profile, this terminal block version can be put next to the appropriate electric motor wiring terminal block without using intermediate plates. That makes the rail assembly easier to understand and wire. This also prevents wiring errors as no conductor entry is unused. Version without ground contact and with three potentials:
- Clearly designated clamping units are the primary advantage to this terminal block design. When using devices with protective insulation, for example, there are no open ground clamping units that could create confusion.

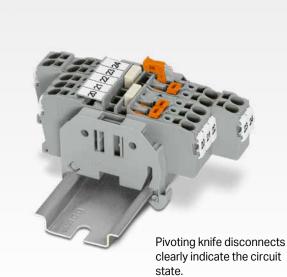


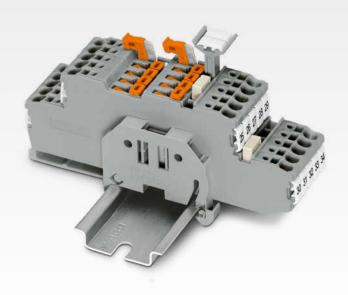
Testing with voltage tester.



Marking clamping points via WMB Multi Marking System. Group marking via marking strips (Item No. 709-177).

## **Disconnect/Test Terminal Blocks**



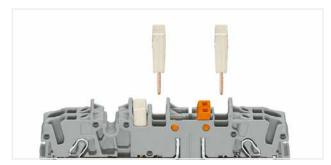


# 2-, 3- and 4-Conductor Disconnect Terminal Blocks

- Three alternative disconnection options are available: via pivoting knife disconnect and additional mechanical interlock or via disconnect plug.
- Thanks to the same shape as corresponding through terminal blocks, these terminal blocks maintain uniformity in the cabinet and provide clear sightlines.

# Double-Deck, Double-Disconnect Terminal Blocks

- Two potential-free disconnect terminal blocks are housed on two levels.
- Save space without compromising usability.
- The knife disconnects are located between the conductors, always making them visible to the operator.



An additional jumper slot is located behind the knife disconnect:

commoning options in front of or behind the knife disconnect, depending on the power supply direction.

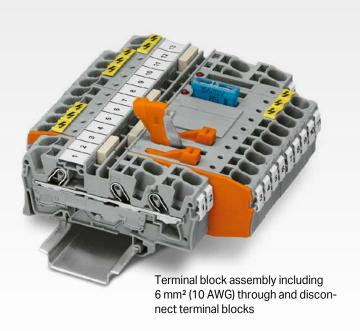


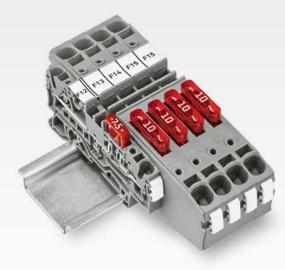
Pivoting marker carriers provide an additional marking location.



Variant:
One disconnect and one through terminal block are accommodated on two levels in a terminal block that is just 5.2 mm (0.205 inch) wide.

## **Fuse Terminal Blocks**





Fuse terminal blocks for DIN 72581-3f blade-style fuses

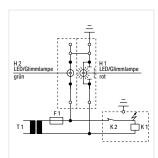
# Disconnect/Ground Conductor Disconnect Terminal Blocks

- Perfect for high-voltage or renewable energy applications
- Ground conductor disconnect terminal blocks provide service-friendly testing for potential ground faults
- Both terminal blocks are available for conductors ranging in size from 0.5 mm<sup>2</sup> to 10 mm<sup>2</sup> (20–8 AWG).

### **Fuse Terminal Blocks**

- Protect electrical circuits against short-circuiting
- Suitable for miniature metric fuses or blade-style fuses
- · Can be assembled into strips and easily replaced if required

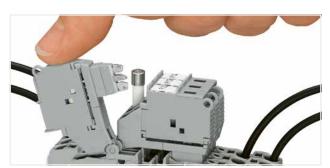




Test position – grounding: slide link open, auxiliary circuit not grounded, red LED/neon lamp lights

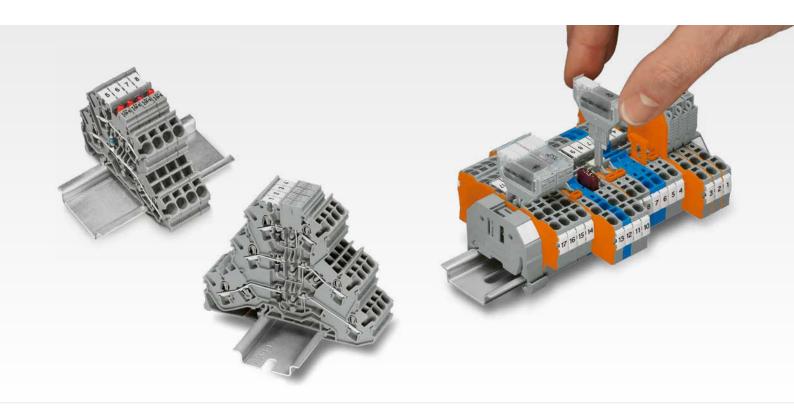


Ground conductor disconnect terminal block – top view



Pivot the fuse holder into the locked open position. Fuse terminal blocks for miniature metric fuses are rated at 2.5 mm<sup>2</sup> (12 AWG) and 6 mm<sup>2</sup> (8 AWG).

## **Diode and LED Terminal Blocks**



# Double- and Triple-Deck LED and Diode Terminal Blocks

- Design monitoring units (e.g., for control and operating circuits) via LED terminal blocks
- Design custom diode circuits (e.g., lamp test and collective fault signal circuits) using LED terminal blocks
- Design custom circuits via push-in type jumper bars

## Pluggable Diode and LED Modules

- Component plugs can either be pre-assembled, or the components (e.g., diodes, resistors) can be assembled by the user via solder-free connection
- Available in 5.2 mm or 10.4 mm width for carrier terminal blocks or for use in a jumper slot



LED terminal blocks with a red LED



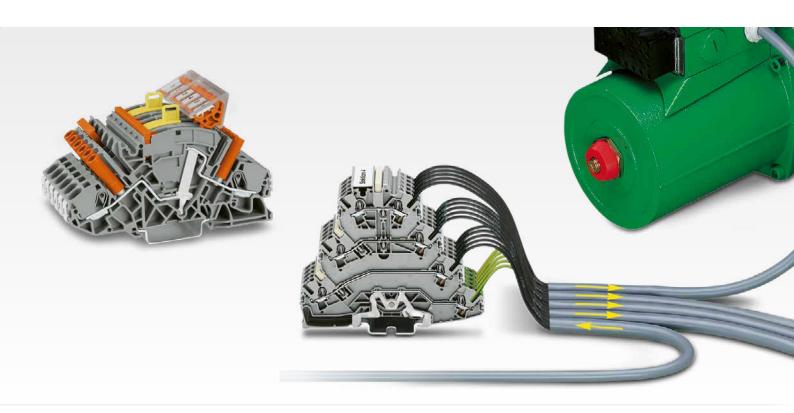
Labeling via WMB Multi markers and marking strips



Test option available



# **Current Transformer and** Motor wiring terminal blocks



### **Current Transformer Terminal Blocks**

- · Safe, automatic short-circuiting
- · Easily test current transformer circuits
- Intuitive orange disconnect links simplify operation
- Directly identify the circuit state via an open, touch-proof design
- · Can be clearly labeled

## **Rail-Mount Terminal Blocks for Electric Motor Wiring**

- · Quadruple-deck, rail-mount terminal blocks for electric motor
- · Compact design: three phases and one ground conductor in a single terminal block
- Specialty versions featuring two or three potentials without a ground contact are also available



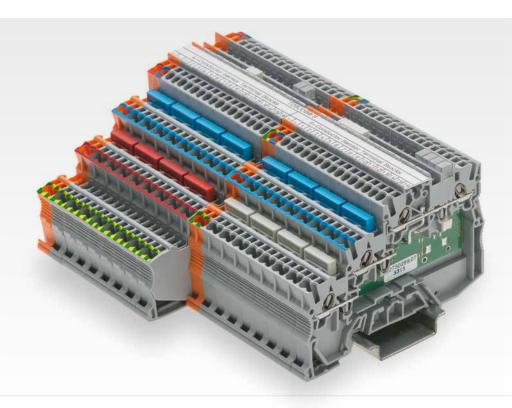
Additional commoning option on the transformer side



Identify clamping units via WMB markers and groups via marking strips

## Sensor/actuator terminal blocks

## Send the Right Signals



## **Maximum Signal Density**

- Pack several sensors into the smallest possible space using only 3.5 mm per sensor on the DIN-rail
- Ideal for small terminal boxes within a system's decentralized periphery, as well as for centralized installation in the control cabinet

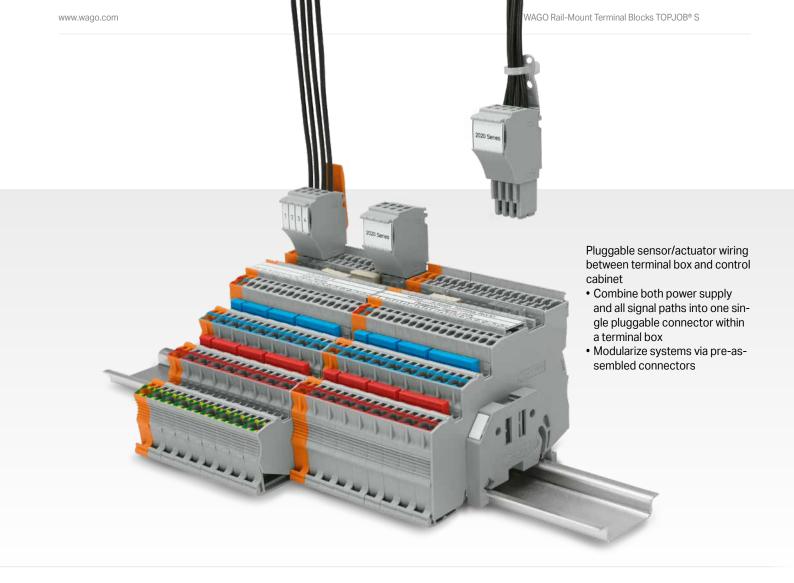
## Pluggable Diode and LED Modules

- Commoning with standard jumpers no pole number limitation
- Color-coded jumpers simplify potential assignment







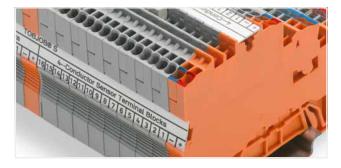


## **Fastest Marking System**

- Clear identification thanks to multi-line marking strips that don't cover the jumper slot
- Easy to read from any angle thanks to two marker slots on the top and side of the terminal strip

## LED, Wiring and Marking in Plain View

- LEDs, jumpers and markers are always visible even when wired
- Streamlined terminal block design provides quick wiring overview and a simplified control layout





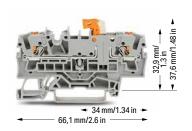
## Disconnect/Test Terminal Block, Fuse Terminal Block, Carrier Terminal Block, Through Terminal Block TOPJOB® S; with Push-Button

2.5 (4) mm<sup>2</sup>; 2202 Series

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 400 V / 6 kV / 3 2 300 V, 15 A 🗫 I<sub>N</sub> 16 A 300 V, 15 A@ Terminal block width: 5.2 mm / 0.205 inch ■ 10 ... 12 mm / 0.39 ... 0.47 inch

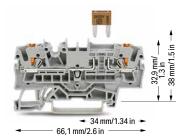
**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 400 V / 6 kV / 3 2 300 V, 10 A 🕦 I<sub>N</sub> 10 A 🔞 300 V, 10 A@ Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 300 V, 15 A 🗫 400 V / 6 kV / 3 2 300 V, 15 A@ Terminal block width: 5.2 mm / 0.205 inch 10 ... 12 mm / 0.39 ... 0.47 inch



2-conductor disconnect/test terminal block: with push-button; with test point; orange disconnect link

Color	Item No.	Pack. Unit
○ gray ⓑ	2202-1671 6	50
oblue 😉	2202-1674 4 6	50
orange 🛭	2202-1672 6	50



2-conductor fuse terminal block; with push-button; for mini-automotive blade-style fuse; with test point Electrical ratings are given by the fuse. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages

Color	Item No.	Pack. Unit
gray	2202-1681	50



2-conductor carrier terminal block; with push-button; with test point

Color	Item No.	Pack. Unit
gray 😉	2202-1661 6	50

#### Accessories; item-specific

Disconnect plug for carrier terminal blocks; suitable when using a carrier terminal block as disconnect terminal block



2002-401 orange

100 (25)

#### Accessories; 2202 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

2002-433

Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray

End and inter	mediate plate; 1	mm thick	
	orange	2002-1692	100 (25)
	gray	2002-1691	100 (25)
Insulation sto	p; 5 pcs/strip; 0	.25 0.5 mm	2
mm	light gray	2002-171	200 (25)
Insulation sto	p; 5 pcs/strip; 0	.75 1 mm²	
• • •	dark gray	2002-172	200 (25)
00000			
Push-in type	jumper bar; insu	ılated; I <sub>N</sub> 25 A;	light gray
-	2-way	2002-402	25
THE	3-way	2002-403	25
4.50	4-way	2002-404	25
	5-way	2002-405	25
	6-way	2002-406	25
	7-way	2002-407	25
	8-way	2002-408	25
	9-way	2002-409	25
	10-way	2002-410	25
Delta jumper	; insulated; $I_N = I_1$	terminal bloc	k; light gray
THE	1-2 3-4 5-6	2002-406/020	<b>0-000</b> 25

V	1 to 4	2002-434	25	
1 -	1 to 5	2002-435	25	
	1 to 6	2002-436	25	
	1 to 7	2002-437	25	
	1 to 8	2002-438	25	
	1 to 9	2002-439	25	
	1 to 10	2002-440	25	
Star point jum gray	per; insulated; I <sub>N</sub>	ı = I <sub>N</sub> terminal b	olock; light	t
河中	1-3-5	2002-405/011-	000	25
Continuous ju	mper; insulated;	I <sub>N</sub> 25 A, light g	ıray	
Continuous ju	mper; insulated; 2-way	I <sub>N</sub> 25 A, light g 2002-400	gray 25	
ß	-	2002-400	25	
ß	2-way	2002-400	25	
ß	2-way mper; insulated;	2002-400 I <sub>N</sub> 25 A; light g	25 gray	
Continuous ju	2-way mper; insulated; 1 to 3 1 to 4	2002-400 I <sub>N</sub> 25 A; light g 2002-423 2002-424	25 gray 25 25	
Continuous ju	2-way mper; insulated; 1 to 3 1 to 4 mper; insulated;	2002-400  I <sub>N</sub> 25 A; light g 2002-423 2002-424  I <sub>N</sub> 25 A, light g	25 gray 25 25 25	
Continuous ju	2-way mper; insulated; 1 to 3 1 to 4	2002-400 I <sub>N</sub> 25 A; light g 2002-423 2002-424	25 gray 25 25	

Staggered jum	ıper; insulated; I <sub>l</sub>	ս 25 A; light gra	ay	
SIN N	2-way	2002-472	25	
	3-way	2002-473	25	
	4-way	2002-474	25	
	5-way	2002-475	25	
	6-way	2002-476	25	
	7-way	2002-477	25	
	8-way	2002-478	25	
	9-way	2002-479	25	
	10-way	2002-480	25	
	11-way	2002-481	25	
	12-way	2002-482	25	
	aggered jumper f at the factory a			
- 5.50	1-3	2002-473/011-	000	25
C A SA LA LA LA LA	1-3-5	2002-475/011-	000	25
111	1-3-5-7	2002-477/011-	000	25
	1-3-5-7-9	2002-479/011-	000	25
	1-3-5-7-9-11	2002-481/011-	000	25

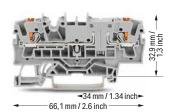
cross-section; I <sub>N</sub> 18 A		
L = 60 m	nm <b>2009-412</b>	100 (10)
L = 110	mm 2009-414	100 (10)
L = 250	mm 2009-416	100 (10)

Push-in type wire jumper; insulated; 1.5 mm² conductor

**Technical Data** 

Terminal block width: 5.2 mm / 0.205 inch

2 10 ... 12 mm / 0.39 ... 0.47 inch



2-conductor through terminal block; with push-button; with test point; same profile as 2-conductor disconnect terminal block

Color	Item No.	Pack. Unit
○ gray ⑤	2202-1601 6	50
oblue 😉	2202-1604 4 6	50
orange 😡	2202-1602 6	50

Other terminal blocks with the same profile:

Fuse 2202-1611 Page 102

- Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 400 V = rated voltage6 kV = rated impulse voltage3 = pollution degree
- Observe touch-proof protection for 42 V and higher voltages!
  - 10 Å (individual arrangement)
  - 5 A (block arrangement)
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications. 440 V; 17 Ar

Blade-style fuses are not offered by WAGO.

Please observe the application notes: Jumpers, from page 182 Testing accessories, from page 177 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

Modular connector; snaps together; for jumper contact slot



gray

2002-511

100 (25)

Spacer module; snaps together; bridges commoned terminal blocks



gray

2002-549

100 (25)

1

Marking strip; plain; 11 mm wide; 50 m reel



WMB Inline; plain; 1,500 WMB markers (5 mm)/reel; stretchable 5  $\dots$  5.2 mm



white

2009-115

WMB marker card; white; 10 strips with 10 markers/card; stretchable  $5\dots 5.2 \text{ mm}$ 



plain

793-5501

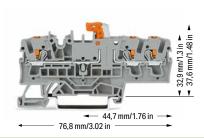
5



# Disconnect/Test Terminal Block, Fuse Terminal Block, Carrier Terminal Block, Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Push-Button

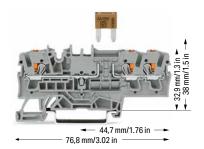
2.5 (4) mm<sup>2</sup>; 2202 Series

Technical Data	
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG
400 V / 6 kV / 3 <b>2</b>	300 V, 10 A <b>9N</b>
I <sub>N</sub> 10 A 3	300 V, 10 A@
Terminal block width: 5.2 m	m / 0.205 inch
10 12 mm / 0.39	0.47 inch



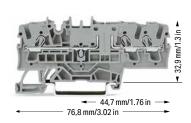
3-conductor disconnect/test terminal block; with push-button; with test point; orange disconnect link

Color	Item No.	Pack. Unit
○ gray ⑤	2202-1771 🗿	50
oblue 😡	2202-1774 4 6	50
orange 🛭	2202-1772 🗿	50



3-conductor fuse terminal block; with push-button; for mini-automotive blade-style fuse; with test point Electrical ratings are given by the fuse. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

Color	Item No.	Pack. Unit
gray	2202-1781	50



 $\ensuremath{\mathsf{3}\text{-conductor}}$  carrier terminal block; with push-button; with test point

Color	Item No.	Pack. Unit
gray 😉	2202-1761 6	50

#### Accessories; item-specific

Disconnect plug for carrier terminal blocks; suitable when using a carrier terminal block as disconnect terminal block



inge 20

2002-401 100 (25)

Accessories; 2202 Series

End and intermediate plate; 1 mm thick

7-way

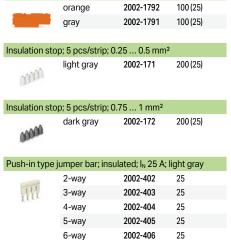
8-way

9-way

10-way

Appropriate marking systems: WMB/WMB Inline/Marking strips

Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray



-	1 to 3	2002-433	25	
V	1 to 4	2002-434	25	
	1 to 5	2002-435	25	
	1 to 6	2002-436	25	
	1 to 7	2002-437	25	
	1 to 8	2002-438	25	
	1 to 9	2002-439	25	
	1 to 10	2002-440	25	
Star point jur gray	nper; insulated;	I <sub>N</sub> = I <sub>N</sub> termina	l block; l	ight
M	1-3-5	2002-405/01	1-000	25
Delta jumper	; insulated; I <sub>N</sub> = I <sub>I</sub>	N terminal bloc	ck; light (	gray
Min	1-2 3-4 5-6	2002-406/02	0-000	25
Continuous j	umper; insulated	d; I <sub>№</sub> 25 A; light	gray	

Staggered jun	nper; insulated; l	N 25 A; light gr	ay	
WIN.	2-way	2002-472	25	
	3-way	2002-473	25	
3.1	4-way	2002-474	25	
	5-way	2002-475	25	
	6-way	2002-476	25	
	7-way	2002-477	25	
	8-way	2002-478	25	
	9-way	2002-479	25	
	10-way	2002-480	25	
	11-way	2002-481	25	
	12-way	2002-482	25	
	taggered jumper of at the factory a			ι;
- 550	1-3	2002-473/011-	000 25	,
C Late 10 18 18	1-3-5	2002-475/011-	000 25	)
1111	1-3-5-7	2002-477/011-	000 25	j
	1-3-5-7-9	2002-479/011-	000 25	í

1-3-5-7-9-11

1 to 3

1 to 4

2002-423

2002-424

2002-481/011-000

I<sub>N</sub> 25 A; light gray

25

25

25

2002-407

2002-408

2002-409

2002-410

25

25

25

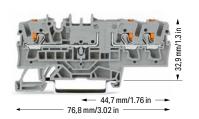
25

#### **Technical Data**

0.25 ... 2.5 (4) mm<sup>2</sup> 400 V / 6 kV / 3 2  $I_N 16 A$ 

22 ... 12 AWG 300 V, 15 A**W** 300 V, 15 A@

Terminal block width: 5.2 mm / 0.205 inch



3-conductor through terminal block; with push-button; with test point; same profile as 3-conductor disconnect terminal block

Color	Item No.	Pack. Unit
○ gray ⓑ	2202-1701 🗿	50
oblue 😉	2202-1704 4 6	50
orange 😡	2202-1702 6	50

3-conductor ground terminal block; with push-button; with test point

green-yellow 🗟 2202-1707 50

Other terminal blocks with the same profile:

2202-1711 Page 102

- Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 2 400 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree
- 3 Observe touch-proof protection for 42 V and higher voltages!
  - 10 Å (individual arrangement)
  - 5 A (block arrangement)
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications. 440 V: 17 Ar

Blade-style fuses are not offered by WAGO.

Please observe the application notes: Jumpers, from page 182 Testing accessories, from page 177 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2202 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Marking strip; plain; 11 mm wide; 50 m reel



white 2009-110

WMB Inline; plain; 1,500 WMB markers (5 mm)/reel; stretchable 5 ... 5.2 mm



white

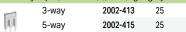
2009-115

WMB marker card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm

plain

793-5501

#### Continuous jumper; insulated; I<sub>N</sub> 25 A, light gray



#### Push-in type wire jumper; insulated; 1.5 mm² conductor cross-section; I<sub>N</sub> 18 A

	L = 60 mm	2009-412	100 (10)
	L = 110 mm	2009-414	100 (10)
4	l = 250 mm	2009-416	100 (10)

#### Modular connector; snaps together; for jumper contact slot



#### Spacer module; snaps together; bridges commoned terminal blocks



2002-549 100 (25)

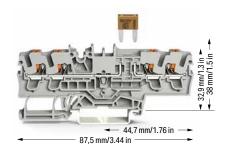
# Disconnect/Test Terminal Block, Fuse Terminal Block, Carrier Terminal Block, Through Terminal Block TOPJOB® S; with Push-Button

2.5 (4) mm<sup>2</sup>; 2202 Series



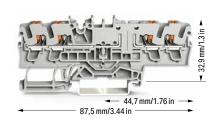
4-conductor disconnect/test terminal block; with push-button; with test point; orange disconnect link

Color	Item No.	Pack. Unit
gray	2202-1871 6	50
oblue 😉	2202-1874 4 6	50
orange 😉	2202-1872 6	50



4-conductor fuse terminal block; with push-button; for mini-automotive blade-style fuse; with test point Electrical ratings are given by the fuse. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

Color	Item No.	Pack. Unit
gray	2202-1881	50



4-conductor carrier terminal block; with push-button; with test point

Color	Item No.	Pack. Unit
gray 😉	2202-1861 6	50

#### Accessories; item-specific

Disconnect plug for carrier terminal blocks; suitable when using a carrier terminal block as disconnect terminal block

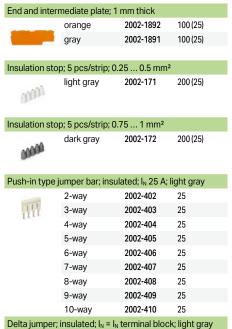


orange 2002-401

100 (25)

#### Accessories; 2202 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips  $\label{eq:push-in} \mbox{Push-in type jumper bar; insulated; } \mbox{I}_{\mbox{\scriptsize N}} \mbox{ 25 A; light gray}$ 



1-2 3-4 5-6

-	1 to 3	2002-433	25	
V	1 to 4	2002-434	25	
1	1 to 5	2002-435	25	
	1 to 6	2002-436	25	
	1 to 7	2002-437	25	
	1 to 8	2002-438	25	
	1 to 9	2002-439	25	
	1 to 10	2002-440	25	
Star point jun gray	nper; insulat	ed; I <sub>N</sub> = I <sub>N</sub> terminal	block;	light
M	1-3-5	2002-405/011	-000	25
Continuous ju	umper; insul	ated; I <sub>N</sub> 25 A; light of	gray	
J	2-way	2002-400	25	
Continuous j	umper; insul	ated; I <sub>N</sub> 25 A; light (	gray	
	1 to 3	2002-423	25	
	1 to 4	2002-424	25	

Continuous jumper; insulated; I<sub>N</sub> 25 A, light gray

3-way

5-way

U

25

25

2002-413

2002-415

Staggered jur	mper; insulated;	l <sub>N</sub> 25 A; light g	gray	
1220	2-way	2002-472	25	
200	3-way	2002-473	25	
11	4-way	2002-474	25	
	5-way	2002-475	25	
	6-way	2002-476	25	
	7-way	2002-477	25	
	8-way	2002-478	25	
	9-way	2002-479	25	
	10-way	2002-480	25	
	11-way	2002-481	25	
	12-way	2002-482	25	
Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing; $l_N$ 25 A; light gray				
	1-3	2002-473/01	1-000	25
Cara la IX	1-3-5	2002-475/01	1-000	25
411.	1-3-5-7	2002-477/01	1-000	25
	1-3-5-7-9	2002-479/01	1-000	25
	1-3-5-7-9-11	2002-481/01	1-000	25
Push-in type wire jumper; insulated; 1.5 mm² conductor cross-section; I <sub>N</sub> 18 A				

L = 60 mm

L = 110 mm

L = 250 mm

2009-412

2009-414

2009-416

100 (10)

100 (10)

100 (10)

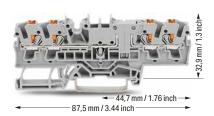
2002-406/020-000

**Technical Data** 

0.25 ... 2.5 (4) mm<sup>2</sup> 1 22 ... 12 AWG 400 V / 6 kV / 3 2 300 V, 15 A 31 I<sub>N</sub> 16 A 300 V, 15 A 32

Terminal block width: 5.2 mm / 0.205 inch

2 10 ... 12 mm / 0.39 ... 0.47 inch



4-conductor through terminal block; with push-button; with test point; same profile as 4-conductor disconnect terminal block

Color	Item No.	Pack. Unit
○ gray ⓑ	2202-1801 6	50
oblue 🗟	2202-1804 4 6	50
orange 😉	2202-1802 6	50

Other terminal blocks with the same profile:
Fuse 2202-1811 Page 105

- Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 400 V = rated voltage
   6 kV = rated impulse voltage
   3 = pollution degree
- 3 Observe touch-proof protection for 42 V and higher voltages!
  - 10 Å (individual arrangement)
  - 5 A (block arrangement)
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications. 440 V; 17 Ar

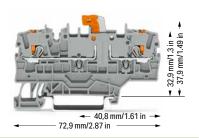
Blade-style fuses are not offered by WAGO.

Please observe the application notes: Jumpers, from page 182 Testing accessories, from page 177 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

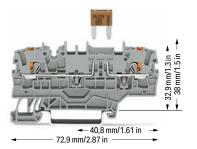
#### Modular connector; snaps together; for jumper contact slot 2002-511 100 (25) gray Spacer module; snaps together; bridges commoned 2002-549 100 (25) Marking strip; plain; 11 mm wide; 50 m reel 2009-110 0 WMB Inline; plain; 1,500 WMB markers (5 mm)/reel; stretchable 5 ... 5.2 mm 2009-115 white WMB marker card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm plain 793-5501 5

# Disconnect/Test Terminal Block, Fuse Terminal Block, Carrier Terminal Block, Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Push-Button; with Additional Jumper Slot 2.5 (4) mm²; 2202 Series



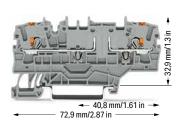
2-conductor disconnect/test terminal block; with push-button; with test point; orange disconnect link; with additional jumper slot

Color	Item No.	Pack. Unit
○ gray ⓑ	2202-1971 🗿	50
oblue 😡	2202-1974 4 6	50
orange 🗟	2202-1972 6	50



2-conductor fuse terminal block; with push-button; for mini-automotive blade-style fuse; with test point; without blown fuse indication; with additional jumper slot Electrical ratings are given by the fuse. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

Color	Item No.	Pack. Unit
gray	2202-1981	50



2-conductor carrier terminal block; with push-button; with test point; with additional jumper slot

Color	Item No.	Pack. Unit
gray 😉	2202-1961 6	50

#### Accessories; item-specific

Disconnect plug for carrier terminal blocks; suitable when using a carrier terminal block as disconnect terminal block



orange

2002-401

100 (25)

Accessories; 2202 Series

End and intermediate plate; 1 mm thick				
	orange	2002-1992	100 (25)	
	gray	2002-1991	100 (25)	

Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm²

light gray 2002-171 200 (25)

| Insulation stop; 5 pcs/strip; 0.75 ... 1 mm² | dark gray | 2002-172 | 200 (25) |

Push-in type j	umper bar; insul	ated; I <sub>N</sub> 25 A; Ii	ght gray
-	2-way	2002-402	25
TYPE	3-way	2002-403	25
100	4-way	2002-404	25
	5-way	2002-405	25
	6-way	2002-406	25
	7-way	2002-407	25
	8-way	2002-408	25
	9-way	2002-409	25
	10-way	2002-410	25

Appropriate marking systems: WMB/WMB Inline/Marking strips

Push-in type jumper bar; insulated; I <sub>N</sub> 25 A; light gray				
-	1 to 3	2002-433	25	
V	1 to 4	2002-434	25	
1 .	1 to 5	2002-435	25	
	1 to 6	2002-436	25	
	1 to 7	2002-437	25	
	1 to 8	2002-438	25	
	1 to 9	2002-439	25	
	1 to 10	2002-440	25	
Delta jumper;	insulated; $I_N = I_N$	terminal bloc	k; light gray	
MIN	1-2 3-4 5-6	2002-406/020	<b>)-000</b> 25	

Star point jumper; insulated;  $I_N = I_N$  terminal block; light gray

1-3-5

2002-405/011-000

25

Continuous jumper; insulated; I<sub>N</sub> 25 A; light gray
2-way 2002-400 25



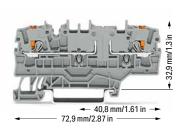
Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing; I<sub>N</sub> 25 A; light gray

Chala AND	1-3	2002-473/011-000	25	
	1-3-5	2002-475/011-000	25	
	1-3-5-7	2002-477/011-000	25	
	1-3-5-7-9	2002-479/011-000	25	
		1-3-5-7-9-11	2002-481/011-000	25

#### **Technical Data**

Terminal block width: 5.2 mm / 0.205 inch

E 10 ... 12 mm / 0.39 ... 0.47 inch



2-conductor through terminal block; with push-button; with test point; with additional jumper slot; same profile as 2-conductor disconnect terminal block

Color	Item No.	Pack. Unit
○ gray ⓑ	2202-1901 🗿	50
oblue 🗟	2202-1904 4 6	50
orange 🛭	2202-1902 🚯	50

2-conductor ground terminal block; with push-button; with test point; with additional jumper slot

green-yellow 2202-1907

Other terminal blocks with the same profile:

Fuse **2202-1911** Page 102

- Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 400 V = rated voltage
   6 kV = rated impulse voltage
   3 = pollution degree
- 3 Observe touch-proof protection for 42 V and higher voltages!
  - 10 Å (individual arrangement)
  - 5 A (block arrangement)
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications. 440 V; 17 Ar

Blade-style fuses are not offered by WAGO.

Please observe the application notes: Jumpers, from page 182 Testing accessories, from page 177 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2202 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Marking strip; plain; 11 mm wide; 50 m reel



white 2009-110

WMB Inline; plain; 1,500 WMB markers (5 mm)/reel; stretchable  $5\dots5.2$  mm



white 20

2009-115

WMB marker card; white; 10 strips with 10 markers/card; stretchable  $5\dots5.2\ mm$ 



**793-5501** 5

#### Continuous jumper; insulated; I<sub>N</sub> 25 A; light gray

-	1 to 3	2002-423	25	
11	1 to 4	2002-424	25	

#### Continuous jumper; insulated; $I_{N}$ 25 A, light gray

	3-way	2002-413	25
11	5-way	2002-415	25

## Push-in type wire jumper; insulated; 1.5 mm $^2$ conductor cross-section; $I_N$ 18 A

	L = 60 mm	2009-412	100 (10)
	L = 110 mm	2009-414	100 (10)
4	L = 250 mm	2009-416	100 (10)

## Modular connector; snaps together; for jumper contact slot



## Spacer module; snaps together; bridges commoned terminal blocks



gray

2002-549

100 (25)

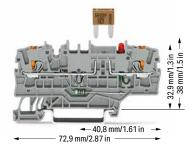
## Fuse Terminal Block TOPJOB® S; with Push-Button; for Mini-Automotive Blade-Style Fuse; with Additional Jumper Slot

2.5 (4) mm<sup>2</sup>; 2202 Series

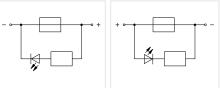
**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 400 V / 6 kV / 3 2 12 V, 10 A 🗫 12 V, 10 A@ I<sub>N</sub> 10 A 🔞 Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 24 V, 10 A 🗫 400 V / 6 kV / 3 2 24 V, 10 A@ Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 48 V, 10 A**W** 400 V / 6 kV / 3 2 48 V, 10 A@ Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch



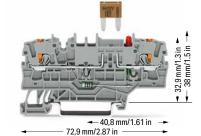




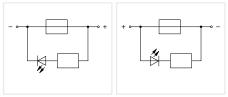
2-conductor fuse terminal block; with push-button; for mini-automotive blade-style fuse; with test point; 12 V; with blown fuse indication by LED; LED power consumption: 4.8 mA; with additional jumper slot; gray Electrical ratings are given by the fuse and blown fuse indication. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages

	Item No.	Pack. Unit
<ul><li>anode right</li></ul>	2202-1981/1000-429	50
anode left	2202-1981/1000-449	50

Other terminal blocks	with the same profile	
Through	2202-1901	Page 99

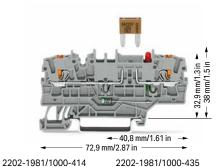


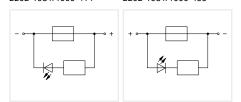




2-conductor fuse terminal block; with push-button; for mini-automotive blade-style fuse; with test point; 24 V; with blown fuse indication by LED; LED power consumption: 4.8 mA; with additional jumper slot; gray Electrical ratings are given by the fuse and blown fuse indication. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

	item No.	rack. Utili
<ul><li>anode right</li></ul>	2202-1981/1000-413	50
<ul><li>anode left</li></ul>	2202-1981/1000-434	50





2-conductor fuse terminal block; with push-button; for mini-automotive blade-style fuse; with test point; 48 V; with blown fuse indication by LED; LED power consumption: 4.8 mA; with additional jumper slot; gray Electrical ratings are given by the fuse and blown fuse indication. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages! Dack Unit

	item No.	i ack. Offic
<ul><li>anode right</li></ul>	2202-1981/1000-414	50
<ul><li>anode left</li></ul>	2202-1981/1000-435	50

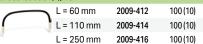
#### Accessories; 2202 Series

End and intermediate plate; 1 mm thick 100 (25) 2002-1992 orange 2002-1991 100 (25) gray

Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup> light gray 2002-171 200 (25) mm

Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup> 2002-172 200 (25) 00000

Push-in type wire jumper; insulated; 1.5 mm<sup>2</sup> conductor cross-section: I<sub>N</sub> 18 A



#### Appropriate marking systems: WMB/WMB Inline/Marking strips

Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray 2-way 2002-402 25 2002-403 25 3-way 2002-404 4-way 25 5-way 2002-405 25 6-way 2002-406 25 25 2002-407 7-way 2002-408 25 8-way 25 9-way 2002-409 10-way 2002-410 25 Push-in type jumper bar; ins ated; I<sub>N</sub> 25 A; I ight gray 1 to 3 2002-433 25 1 to 4 2002-434 25 1 to 5 2002-435 25 1 to 6 2002-436 25 1 to 7 2002-437 25

1 to 8

1 to 9

1 to 10

25

25

25

C

2002-438 2002-439

2002-440

Staggered jumper; insulated; I <sub>N</sub> 25 A; light gray				
TERRITOR	2-way	2002-472	25	
E C	3-way	2002-473	25	
3.1	4-way	2002-474	25	
	5-way	2002-475	25	
	6-way	2002-476	25	
	7-way	2002-477	25	
	8-way	2002-478	25	
	9-way	2002-479	25	
	10-way	2002-480	25	
	11-way	2002-481	25	
	12-way	2002-482	25	
Continuous jumper; insulated; I <sub>N</sub> 25 A; light gray				
J	2-way	2002-400	25	
Continuous	jumper; insulat	ted; I <sub>N</sub> 25 A; light	gray	
	1 to 3	2002-423	25	
17	1 to 4	2002-424	25	

onunuous	3-way	ated; I <sub>N</sub> 25 A, light 2002-413	gray 25	
antin	iuman ari inaul	stadul OF A light	~~~.	
	1 to 4	2002-424	25	
-	1 to 3	2002-423	25	

5-wav

2002-415

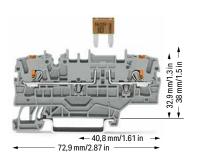
25

**Technical Data** 

0.25 ... 2.5 (4) mm<sup>2</sup> 1 22 ... 12 AWG 400 V / 6 kV / 3 2 300 V, 10 A 31 I<sub>N</sub> 10 A 31 300 V, 10 A 32

Terminal block width: 5.2 mm / 0.205 inch

E 10 ... 12 mm / 0.39 ... 0.47 inch



Conductor range: 0.25 ... 2.5 mm² "s+f-st" and 0.25 ... 4 mm² "s"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 2 400 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree
- Observe touch-proof protection for 42 V and higher voltages!
  - 10 Å (individual arrangement)
  - 5 A (block arrangement)

Blade-style fuses are not offered by WAGO.

Please observe the application notes: Jumpers, from page 182 Testing accessories, from page 177 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

2-conductor fuse terminal block; with push-button; for mini-automotive blade-style fuse; with test point; without blown fuse indication; with additional jumper slot Electrical ratings are given by the fuse. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

Color	Item No.	Pack. Unit
□ grav	2202-1981	50

Marking strip; plain; 11 mm wide; 50 m reel

white 2009-110

WMB Inline; plain; 1,500 WMB markers (5 mm)/reel; stretchable 5  $\dots$  5.2 mm

9

white

2009-115

WMB marker card; white; 10 strips with 10 markers/card; stretchable  $5\dots5.2\,\text{mm}$ 

plain 793-5501

Double-deck marker carrier; pivoting



gray

2002-121

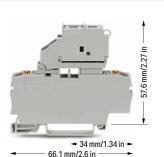
50 (25)



## Fused Disconnect Terminal Block with a Pivoting Fuse Holder TOPJOB® S; with Push-Button; for (5 x 20) mm Glass Cartridge Fuse

2.5 (4) mm<sup>2</sup>; 2202 Series

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 250 V / 6 kV / 3 2 250 V. 10 A SA I<sub>N</sub> 6.3 A 250 V, 10 A@ Terminal block width: 6.2 mm / 0.244 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch



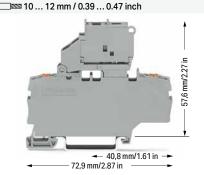
2-conductor fused disconnect terminal block with a pivoting fuse holder; with push-button; for (5 x 20) mm glass cartridge fuse; without blown fuse indication Electrical ratings are given by the fuse.

	Item No.	Pack. Unit
□ grav	2202-1611	50

2-conductor fused disconnect terminal block with a pivoting fuse holder; with push-button; for (5 x 20) mm glass cartridge fuse; with blown fuse indication by LED; gray Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED 2 mA

1	2 30 V	2202-1611/1000-541 3	50
3	0 65 V	2202-1611/1000-542	50
1	20 V	2202-1611/1000-867	50
O 2	30 V	2202-1611/1000-836	50

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 250 V / 6 kV / 3 2 250 V, 10 A 94 I<sub>N</sub> 6.3 A 250 V, 10 A@ Terminal block width: 6.2 mm / 0.244 inch



2-conductor fused disconnect terminal block with a pivoting fuse holder; with push-button; with additional jumper slot; for (5 x 20) mm glass cartridge fuse; without blown fuse indication Electrical ratings are given by the fuse.

	Item No.	Pack. Unit
○ gray	2202-1911	50

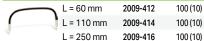
2-conductor fused disconnect terminal block with a pivoting fuse holder; with push-button; with additional iumper slot; for (5 x 20) mm glass cartridge fuse; with blown fuse indication; gray

Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED

○ 1230 V	2202-1911/1000-541 3	50
○ 30 65 V	2202-1911/1000-542	50
○ 120 V	2202-1911/1000-867	50
O 230 V	2202-1911/1000-836	50

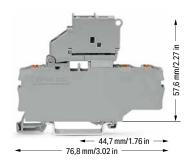
#### Accessories: item-specific

Push-in type wire jumper; insulated; 1.5 mm<sup>2</sup> conductor cross section; I<sub>N</sub> 18 A



Other terminal blocks with the same profile:			
Through	2202-1901	Page 99	

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 250 V, 10 A 🕦 250 V / 6 kV / 3 2 I<sub>N</sub> 6.3 A 250 V, 10 A@ Terminal block width: 6.2 mm / 0.244 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch



3-conductor fused disconnect terminal block with a pivoting fuse holder; with push-button; for (5 x 20) mm glass cartridge fuse; without blown fuse indication Electrical ratings are given by the fuse.

	Item No.	Pack. Unit
gray	2202-1711	50

3-conductor fused disconnect terminal block with a pivoting fuse holder; with push-button; for (5 x 20) mm glass cartridge fuse; with blown fuse indication by LED; gray Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED 2 mA

○ 1230 V	2202-1711/1000-541 3	50
○ 30 65 V	2202-1711/1000-542	50
○ 120 V	2202-1711/1000-867	50
○ 230 V	2202-1711/1000-836	50

Other terminal blocks with the same profile:

#### Accessories: 2202 Series

Other terminal blocks with the same profile:

End plate for fuse terminal blocks; 2 mm thick 2002-992 100 (25) orange 2002-991 100 (25)

2202-1601

Page 93

Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup> 2002-171 200 (25) light gray mm

Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup> dark gray 2002-172 200 (25) 00000

Interlocking link: mechanically locks multiple links: 1 m

long 210-254 transparent

#### Appropriate marking systems: WMB/WMB Inline/Marking strips

Push-in type jumper bar; insulated; I<sub>N</sub> 32 A; light gray 2-way 2004-402 25 2004-403 25 3-way 4-way 2004-404 25 2004-405 25 5-way 6-way 2004-406 25 2004-407 25 7-way 2004-408 25 8-way 9-way 2004-409 25 10-way 2004-410 25 Push-in type jumper bar; insulated; I<sub>N</sub> 32 A; light gray

-	1 to 3	2004-433	25
V	1 to 4	2004-434	25
1	1 to 5	2004-435	25
	1 to 6	2004-436	25
	1 to 7	2004-437	25
	1 to 8	2004-438	25
	1 to 9	2004-439	25
	1 to 10	2004-440	25

#### Marking strip; plain; 11 mm wide; 50 m reel

white 2009-110

WMB marker card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm

793-5501



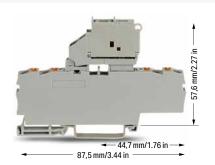
Page 95

#### **Technical Data**

0.25 ... 2.5 (4) mm<sup>2</sup> 1 22 ... 12 AWG 250 V / 6 kV / 3 2 250 V, 10 A 3 1 250 V, 10 A 3 1

Terminal block width: 6.2 mm / 0.244 inch

**■ ■** 10 ... 12 mm / 0.39 ... 0.47 inch



4-conductor fused disconnect terminal block with a pivoting fuse holder; with push-button; for (5 x 20) mm glass cartridge fuse; without blown fuse indication Electrical ratings are given by the fuse.

	Item No.	Pack. Unit
gray	2202-1811	50

4-conductor fused disconnect terminal block with a pivoting fuse holder; with push-button; for (5 x 20) mm glass cartridge fuse; with blown fuse indication by LED; gray Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED 2 mA

○ 12 30 V	2202-1811/1000-541 3	50
○ 30 65 V	2202-1811/1000-542	50
○ 120 V	2202-1811/1000-867	50
O 230 V	2202-1811/1000-836	50

Conductor range: 0.25 ... 2.5 mm² "s+f-st" and 0.25 ... 4 mm² "s"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm²

"insulated ferrules, 12 mm"

Depending on the conductor characteristic, a conduc-

tor with a smaller cross section can also be inserted via push-in termination.

- 250 V = rated voltage6 kV = rated impulse voltage3 = pollution degree
- 3 30 V / 0,8 kV / 3
- 4 65 V / 1,5 kV / 3

Please observe the application notes Jumpers, from page 185 Marking, from page 322

A protective warning marker and an insulation stop must be applied individually. Due to the 6.2 mm width of double-deck terminal blocks with end plates, 2004 Series Push-In Type Jumper Bars must be used.

Approvals and corresponding ratings, visit www.wago.com

Miniature fuses 5 x 20	۷i	in	iat	ure	e fu	ıses	5	Х	20
------------------------	----	----	-----	-----	------	------	---	---	----

Series Item No.	Overload and short circuit protection			Short circuit protection only	
	Individual argmt.	Group argmt.	Individual argmt.	Group argmt.	
	Fuse terminal blocks				
2202-1611		ı	ı	ı	
2202-1711	1.6 W	1.6 W	2.5 W	2.5 W	
2202-1811					
2202-1611/					
2202-1711/	1.6 W	1.6 W	2.5 W	2.5 W	
2202-1811/					

When selecting glass cartridge fuses, make sure that the maximum power loss listed below is not exceeded. The power loss is determined according to IEC or EN 60947-7-3/VDE 0611-6 at 23°C. The temperature rise of the terminal block must be checked according to their application and mounting. Higher ambient temperatures represent an additional impact on miniature fuses. Therefore, in such applications, the rated current must be reduced if necessary. More details are available from the manufacturers.

#### Miniature fuses 5 x 20

Series Item No.	Overload and short circuit protection		Short circuit protection only		
	Individual Group argmt. argmt.		Individual argmt.	Group argmt.	
	Fuse terminal blocks				
2202-1911	1.6 W	1.6 W	2.5 W	2.5 W	
2202-1911/	1.6 W	1.6 W	2.5 W	2.5 W	

When selecting glass cartridge fuses, make sure that the maximum power loss listed below is not exceeded. The power loss is determined according to IEC or EN 60947-7-3/VDE 0611-6 at 23°C. The temperature rise of the terminal block must be checked according to their application and mounting. Higher ambient temperatures represent an additional impact on miniature fuses. Therefore, in such applications, the rated current must be reduced if necessary. More details are available from the manufacturers.

Other	terminal	blocks	with '	the	same	nrofile.

Through **2202-1801** Page 97



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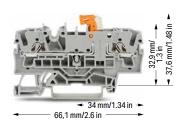
## Disconnect/Test Terminal Block, Fuse Terminal Block, Carrier Terminal Block, Through Terminal Block TOPJOB® S

2.5 (4) mm<sup>2</sup>; 2002 Series

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 300 V, 15 A 🗫 400 V / 6 kV / 3 2 I<sub>N</sub> 16 A 300 V, 15 A@ Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch

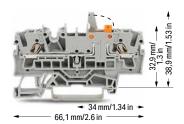
Technical Data					
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG				
400 V / 6 kV / 3 2	300 V, 15 A <b>9A</b>				
I <sub>N</sub> 16 A	300 V, 15 A@				
Terminal block width: 5.2 mm / 0.205 inch					
10 12 mm / 0.39 0.47 inch					

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 250 V, 10 A 🕦 400 V / 6 kV / 3 2 250 V, 10 A@ Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch



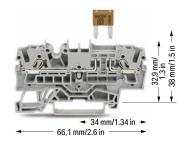
2-conductor disconnect/test terminal block; with test point; orange disconnect link

Color	Item No.	Pack. Unit
○ gray ⓑ	2002-1671 6	50
oblue 😉	2002-1674 4 6	50
orange 🛭	2002-1672 6	50



2-conductor disconnect/test terminal block: with mechanical interlock; with test point; orange disconnect

Color	Item No.	Pack. Unit
gray      ⊕	2002-1671/401-000 6	50
oblue 🗟	2002-1674/401-000 4 6	50
orange 🗟	2002-1672/401-000 6	50



2-conductor fuse terminal block; for mini-automotive blade-style fuse; with test point Electrical ratings are given by the fuse. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

Color	Item No.	Pack. Unit
gray	2002-1681	50

#### Accessories; 2002 Series

End and intermediate plate; 1 mm thick 2002-1692 100 (25) 2002-1691 100 (25)

Insulation stop: 5 pcs/strip: 0.25 ... 0.5 mm<sup>2</sup> 2002-171 200 (25) light gray mm

Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup> 2002-172 200 (25) dark grav 00000

Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray

2002-402 25 2-way 2002-403 25 3-way 2002-404 25 4-way 5-way 2002-405 25 6-way 2002-406 25 7-way 2002-407 25 2002-408 25 8-way 9-way 2002-409 25 10-way 2002-410 25

Appropriate marking systems: WMB/WMB Inline/Marking strips

Push-in type jumper bar; insulated; I <sub>N</sub> 25 A; light gray						
-	1 to 3	2002-433	25			
V	1 to 4	2002-434	25			
1 .	1 to 5	2002-435	25			
	1 to 6	2002-436	25			
	1 to 7	2002-437	25			
	1 to 8	2002-438	25			
	1 to 9	2002-439	25			
	1 to 10	2002-440	25			
Delta jumper; insulated; $I_N = I_N$ terminal block; light gray						
	1-2 3-4 5-6	2002-406/020-	000 25			

Star point jumper; insulated;  $I_N$  =  $I_N$  terminal block; light 1-3-5 2002-405/011-000 25

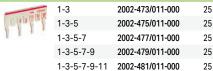
Continuous jumper; insulated; I<sub>N</sub> 25 A; light gray 2002-400 25

Continuous jumper; insulated; I<sub>N</sub> 25 A; light gray

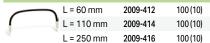
2-way

1 to 3 2002-423 25 1 to 4 2002-424 25

Continuous jumper; insulated; I <sub>N</sub> 25 A, light gray						
	3-way	2002-413	25			
(44	5-way	2002-415	25			
Staggered ju	umper; insulate	d; I <sub>N</sub> 25 A; light	gray			
122,000	2-way	2002-472	25			
E.E.	3-way	2002-473	25			
11	4-way	2002-474	25			
	5-way	2002-475	25			
	6-way	2002-476	25			
	7-way	2002-477	25			
	8-way	2002-478	25			
	9-way	2002-479	25			
	10-way	2002-480	25			
	11-way	2002-481	25			
	12-way	2002-482	25			
Customized staggered jumper; insulated; with contact						
lugs broken off at the factory and circuit printing; $I_N$ 25 A; light gray						



Push-in type wire jumper; insulated; 1.5 mm² conductor cross-section; I<sub>N</sub> 18 A



#### **Technical Data**

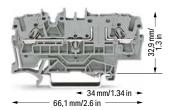
0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 400 V / 6 kV / 3 2 300 V, 15 A**W** I<sub>N</sub> 16 A 300 V, 15 A@

Terminal block width: 5.2 mm / 0.205 inch

**Technical Data** 

0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 300 V, 15 A 🕦 400 V / 6 kV / 3 2 I<sub>N</sub> 16 A 300 V, 15 A@

Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch



2-conductor carrier terminal block; with test point

Color	Item No.	Pack. Unit
○ gray ⑤	2002-1661 6	50



2-conductor through terminal block; with test point; same profile as 2-conductor disconnect terminal block

Color	Item No.	Pack. Unit
○ gray ⓑ	2002-1601 6	50
oblue 😉	2002-1604 4 6	50
orange 🛭	2002-1602 6	50

Other terminal blocks with the same profile:

2002-1611 Page 114 Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

2 400 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree

- 3 Observe touch-proof protection for 42 V and higher voltages!
  - 10 Å (individual arrangement)
  - 5 A (block arrangement)
- Terminal blocks with a blue insulated housing are suitable for Exiapplications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications. 440 V: 17 A

Blade-style fuses are not offered by WAGO.

Please observe the application notes: Jumpers, from page 182 Testing accessories, from page 177 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



Disconnect/test terminal block with pivoting knife disconnect - opening a knife disconnect.



Disconnect/test terminal block with pivoting knife disconnect - closing the knife disconnect.



Disconnect/test terminal block with pivoting knife disconnect - testing with voltage tester.

#### Accessories; item-specific

Disconnect plug for carrier terminal blocks: suitable when using a carrier terminal block as disconnect terminal block



orange

2002-401

100 (25)

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks



yellow

2002-115

Modular connector; snaps together; for jumper contact slot



2002-511

100 (25)

100 (25)

Spacer module; snaps together; bridges commoned terminal blocks



gray

2002-549

100 (25)

Marking strip; plain; 11 mm wide; 50 m reel white



2009-110

WMB Inline; plain; 1,500 WMB markers (5 mm)/reel; stretchable 5



2009-115

WMB marker card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm



793-5501

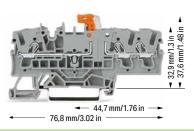
5



# Disconnect/Test Terminal Block, Fuse Terminal Block, Carrier Terminal Block, Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S

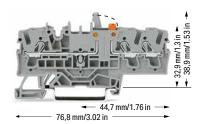
2.5 (4) mm<sup>2</sup>; 2002 Series

Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
400 V / 6 kV / 3 <b>2</b>	300 V, 15 A <b>9</b>	
I <sub>N</sub> 16 A	300 V, 15 A@	
Terminal block width: 5.2 mm / 0.205 inch		
10 12 mm / 0.39 0.47 inch		



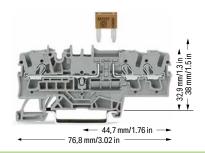
3-conductor disconnect/test terminal block; with test point; orange disconnect link

Color	Item No.	Pack. Unit
○ gray ⓑ	2002-1771 6	50
oblue 😡	2002-1774 4 6	50
orange 🗟	2002-1772 6	50



3-conductor disconnect/test terminal block; with mechanical interlock; with test point; orange disconnect link

Color	Item No.	Pack. Unit
○ gray ⑤	2002-1771/401-000 6	50
O blue ⊕	2002-1774/401-000 4 6	50
orange 😉	2002-1772/401-000 6	50



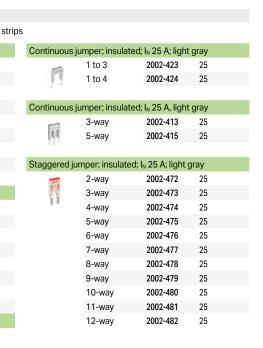
3-conductor fuse terminal block; for mini-automotive blade-style fuse; with test point Electrical ratings are given by the fuse. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

Color	Item No.	Pack. Unit
gray	2002-1781	50

#### Accessories; 2002 Series Appropriate marking systems: WMB/WMB Inline/Marking strips End and intermediate plate; 1 mm thick Push-in type jumper bar; insulated; $I_N$ 25 A; light gray 2002-1792 100 (25) 2002-402 25 orange 2-way 2002-1791 100 (25) 2002-403 25 3-way 4-way 2002-404 25 Insulation stop; 5 pcs/strip; 0.25 ... 5-way 2002-405 25 2002-171 200 (25) 6-wav 2002-406 25 light gray mm 7-way 2002-407 25 2002-408 8-way 25 Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup> 9-way 2002-409 25 200 (25) dark gray 2002-172 10-way 2002-410 25 00000 lated; I<sub>N</sub> 25 A; light gray Push-in type jumper bar; insul 2002-433 25 1 to 3 2002-434 25 Delta jumper; insulated; $I_N = I_N$ terminal block; light gray 1 to 4 1-2 3-4 5-6 2002-406/020-000 1 to 5 2002-435 25 1 to 6 2002-436 25 2002-437 25 1 to 7 Star point jumper; insulated; I<sub>N</sub> = I<sub>N</sub> terminal block; light 2002-438 25 1 to 8 1 to 9 2002-439 25 1-3-5 2002-405/011-000 1 to 10 2002-440 25 Continuous jumper; insulated; I<sub>N</sub> 25 A; light gray

2-way

2002-400

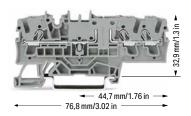




## **Technical Data**

Terminal block width: 5.2 mm / 0.205 inch

\_\_\_\_\_ 10 ... 12 mm / 0.39 ... 0.47 inch

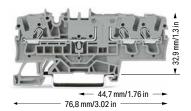


3-conductor carrier terminal block; with test point

Color	Item No.	Pack. Unit
○ gray ⑤	2002-1761 6	50

### **Technical Data**

 $\blacksquare$  10 ... 12 mm / 0.39 ... 0.47 inch



3-conductor through terminal block; with test point; same profile as 3-conductor disconnect terminal block

Color	Item No.	Pack. Unit
gray	2002-1701 6	50
oblue 😉	2002-1704 4 6	50
orange 😉	2002-1702 6	50

3-conductor ground terminal block; mit Prüfmöglichkeit

Other terminal blocks with the same profile

Fuse 2002-1711 Page 114

Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 400 V = rated voltage
   6 kV = rated impulse voltage
   3 = pollution degree
- Observe touch-proof protection for 42 V and higher voltages!
  - 10 Å (individual arrangement)
  - 5 A (block arrangement)
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications. 440 V: 17 A

Blade-style fuses are not offered by WAGO.

Please observe the application notes: Jumpers, from page 182 Testing accessories, from page 177 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



Disconnect/test terminal block with pivoting knife disconnect and mechanical interlock – knife disconnect in open position

# Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing; $I_N$ 25 A; light gray

Disconnect plug for carrier terminal blocks; suitable when using a carrier terminal block as disconnect



Accessories; item-specific

orange

terminal block

 1-3
 2002-473/011-000
 25

 1-3-5
 2002-475/011-000
 25

 1-3-5-7
 2002-477/011-000
 25

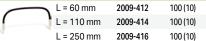
 1-3-5-7-9
 2002-479/011-000
 25

 1-3-5-7-9-11
 2002-481/011-000
 25

2002-401

100 (25)

Push-in type wire jumper; insulated; 1.5 mm  $^{\!2}$  conductor cross-section;  $I_{N}$  18 A



Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow 2002-115 100 (25)

Modular connector; snaps together; for jumper contact slot



# Spacer module; snaps together; bridges commoned terminal blocks

gray 2002-549 100 (25)

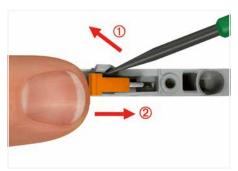
Marking strip; plain; 11 mm wide; 50 m reel
white 2009-110 1

WMB Inline; plain; 1,500 WMB markers (5 mm)/reel;

stretchable 5 ... 5.2 mm white 2009-115 1

WMB marker card; white; 10 strips with 10 markers/card; stretchable 5  $\dots$  5.2 mm

plain **793-5501** 5



Disconnect/test terminal block with pivoting knife disconnect and mechanical interlock – closing the knife disconnect.



Disconnect/test terminal block with pivoting knife disconnect – testing with voltage tester.



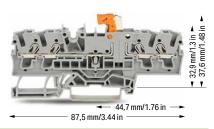
# Disconnect/Test Terminal Block, Fuse Terminal Block, Carrier Terminal Block, Through Terminal Block TOPJOB® S

2.5 (4) mm<sup>2</sup>; 2002 Series

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 400 V / 6 kV / 3 2 300 V, 15 A 🗫 I<sub>N</sub> 16 A 300 V, 15 A@ Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch

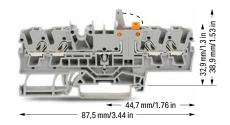
Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
400 V / 6 kV / 3 <b>2</b>	300 V, 15 A <b>9A</b>	
I <sub>N</sub> 16 A	300 V, 15 A@	
Terminal block width: 5.2 mn	n / 0.205 inch	
10 12 mm / 0.39 0.47 inch		

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 250 V, 10 A 🕦 400 V / 6 kV / 3 2 250 V, 10 A@ Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch



4-conductor disconnect/test terminal block; with test point; orange disconnect link

Color	Item No.	Pack. Unit
○ gray ⓑ	2002-1871 6	50
oblue 🗟	2002-1874 4 6	50
orange 🗟	2002-1872 6	50



4-conductor disconnect/test terminal block: with mechanical interlock; with test point; orange disconnect

Color	Item No.	Pack. Unit
○ gray ⓑ	2002-1871/401-000 6	50
■ blue   □	2002-1874/401-000 4 6	50
orange 🗟	2002-1872/401-000 6	50



4-conductor fuse terminal block; for mini-automotive blade-style fuse; with test point Electrical ratings are given by the fuse. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

Color	Item No.	Pack. Unit
gray	2002-1881	50

# Accessories; 2002 Series

End and inter	rmediate plate	e; 1 mm thick	
	orange	2002-1892	100 (25)
	grav	2002-1891	100 (25)

Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>





Push-in type	e jumper bar; iı	nsulated; $I_N$ 25 A;	light gray
177.00	2-way	2002-402	25
111	3-way	2002-403	25



Appropriate marking systems: WMB/WMB Inline/Marking strips

Push-in type jumper bar; insulated; I <sub>N</sub> 25 A; light gray			
-	1 to 3	2002-433	25
	1 to 4	2002-434	25
1	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 7	2002-437	25
	1 to 8	2002-438	25
	1 to 9	2002-439	25
	1 to 10	2002-440	25
Delta jumper; insulated; $I_N = I_N$ terminal block; light gray			

a jumpei	r; insulated; $I_N = I_1$	ง terminal block; light (	gray
	1-2 3-4 5-6	2002-406/020-000	25

Star point jumper; insulated;  $I_N$  =  $I_N$  terminal block; light 1-3-5 2002-405/011-000

111				
Continuous	jumper; insula	ted; I <sub>N</sub> 25 A; light	gray	
10	2-way	2002-400	25	
,				

Continuous	jumper; insu	ılated; I <sub>№</sub> 25 A; light	gray	
-	1 to 3	2002-423	25	
	1 to 4	2002-424	25	

	3-way	2002-413	25	
101	5-way	2002-415	25	
7.0				
Staggered ju	umper; insulate	ed; I <sub>N</sub> 25 A; light o	gray	
CD-PT-	2-way	2002-472	25	
EE	3-way	2002-473	25	
11	4-way	2002-474	25	
	5-way	2002-475	25	
	6-way	2002-476	25	
	7-way	2002-477	25	
	8-way	2002-478	25	
	9-way	2002-479	25	
	10-way	2002-480	25	
	11-way	2002-481	25	
	12-way	2002-482	25	

Continuous jumper; insulated; I<sub>N</sub> 25 A, light gray

Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing;  $I_{N}$  25 A;

	1-3	2002-473/011-000
Charles Area	1-3-5	2002-475/011-000
4 1 1 .	1-3-5-7	2002-477/011-000
	1-3-5-7-9	2002-479/011-000
	1_2_5_7_0_11	2002-491/011-000

25

25

25

25 25

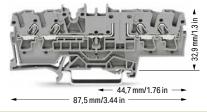
## **Technical Data**

Terminal block width: 5.2 mm / 0.205 inch

**Technical Data** 

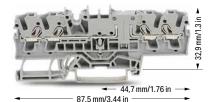
Terminal block width: 5.2 mm / 0.205 inch

E 10 ... 12 mm / 0.39 ... 0.47 inch



4-conductor carrier terminal block; with test point

Color	Item No.	Pack. Unit
◯ gray ⑤	2002-1861 6	50



4-conductor through terminal block; with test point; same profile as 4-conductor disconnect terminal block

Color	Item No.	Pack. Unit
○ gray ⑤	2002-1801 6	50
oblue 😡	2002-1804 4 6	50
orange 😡	2002-1802 6	50

## Other terminal blocks with the same profile:

Fuse 2002-1811 Page 115

Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

400 V = rated voltage
 6 kV = rated impulse voltage
 3 = pollution degree

- Observe touch-proof protection for 42 V and higher voltages!
  - 10 Å (individual arrangement)
  - 5 A (block arrangement)
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications.
  440 V: 17 A

Blade-style fuses are not offered by WAGO.

Please observe the application notes: Jumpers, from page 182 Testing accessories, from page 177 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

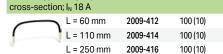
# Accessories; item-specific

Disconnect plug for carrier terminal blocks; suitable when using a carrier terminal block as disconnect terminal block



orange 2002-401 100 (25)

Push-in type wire jumper; insulated; 1.5 mm² conductor



Protective warning marker; with black high-voltage symbol; for 5 terminal blocks



yellow 2002-115 100 (25)

Modular connector; snaps together; for jumper contact slot



Spacer module; snaps together; bridges commoned terminal blocks



gray 2002-549 100 (25)

Marking strip; plain; 11 mm wide; 50 m reel

white 2009-110

WMB Inline; plain; 1,500 WMB markers (5 mm)/reel; stretchable 5 ... 5.2 mm



white 2009-115

WMB marker card; white; 10 strips with 10 markers/card; stretchable  $5\dots 5.2\ \text{mm}$ 





Disconnect/test terminal block with pivoting knife disconnect and mechanical interlock – top view



Carrier terminal block (Item No. 2002-1861) with disconnect plug (Item No. 2002-401) in parked position



Carrier terminal block (Item No. 2002-1861) with disconnect plug (Item No. 2002-401) in operating position

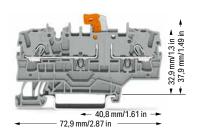


# Disconnect/Test Terminal Block, Fuse Terminal Block, Carrier Terminal Block, Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Additional Jumper Slot 2.5 (4) mm<sup>2</sup>; 2002 Series

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 300 V, 15 A 🗫 400 V / 6 kV / 3 2 I<sub>N</sub> 16 A 300 V, 15 A@ Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch

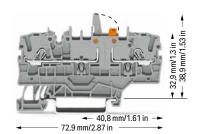
Technical Data			
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG		
400 V / 6 kV / 3 <b>2</b>	300 V, 15 A <b>RU</b>		
I <sub>N</sub> 16 A	300 V, 15 A®		
Terminal block width: 5.2 mm / 0.205 inch			
■ 10 12 mm / 0.39 0.47 inch			

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 250 V, 10 A 🕦 400 V / 6 kV / 3 2 250 V, 10 A@ Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch



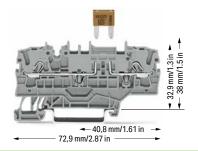
2-conductor disconnect/test terminal block; with test point; orange disconnect link; with additional jumper slot

Color	Item No.	Pack. Unit
○ gray ⓑ	2002-1971 6	50
oblue 🗟	2002-1974 4 6	50
orange 🛭	2002-1972 6	50



2-conductor disconnect/test terminal block: with mechanical interlock; with test point; orange disconnect link; with additional jumper slot

Color	Item No.	Pack. Unit
○ gray ⓑ	2002-1971/401-000 6	50
blue 🗟	2002-1974/401-000 4 6	50
orange 😉	2002-1972/401-000 6	50



2-conductor fuse terminal block; for mini-automotive blade-style fuse; with test point; without blown fuse indication; with additional jumper slot Electrical ratings are given by the fuse. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

Color	Item No.	Pack. Unit
gray	2002-1981	50

# Accessories; 2002 Series

End and intermediate plate; 1 mm thick 2002-1992 100 (25) orange 2002-1991 100 (25)

Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup> light gray 2002-171 200 (25) mm

Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup> 2002-172 dark gray 200 (25)

Delta jumper; insulated;  $I_N = I_N$  terminal block; light gray 1-2 3-4 5-6



2002-406/020-000

Appropriate marking systems: WMB/WMB Inline/Marking strips

Push-in type jumper bar; insulated; I <sub>N</sub> 25 A; light gray			
-	2-way	2002-402	25
11/4	3-way	2002-403	25
1.0	4-way	2002-404	25
	5-way	2002-405	25
	6-way	2002-406	25
	7-way	2002-407	25
	8-way	2002-408	25
	9-way	2002-409	25
	10-way	2002-410	25
Push-in type j	umper bar; insul	ated; I <sub>N</sub> 25 A; Ii	ght gray
-	1 to 3	2002-433	25
V	1 to 4	2002-434	25
1	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 7	2002-437	25
	1 to 8	2002-438	25
	1 to 9	2002-439	25
	1 10 3	2002 100	
	1 to 10	2002-440	25

2002-405/011-000

1-3

Staggered jur	nper; insulated; l	I <sub>N</sub> 25 A; light g	ray
Tables.	2-way	2002-472	25
E C	3-way	2002-473	25
3.1	4-way	2002-474	25
	5-way	2002-475	25
	6-way	2002-476	25
	7-way	2002-477	25
	8-way	2002-478	25
	9-way	2002-479	25
	10-way	2002-480	25
	11-way	2002-481	25
	12-way	2002-482	25

Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing; I<sub>N</sub> 25 A;





1-3-5





## **Technical Data**

0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 400 V / 6 kV / 3 2 300 V, 15 A**W** I<sub>N</sub> 16 A 300 V, 15 A@

Terminal block width: 5.2 mm / 0.205 inch

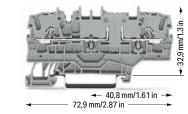
□ 10 ... 12 mm / 0.39 ... 0.47 inch

**Technical Data** 

0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 300 V, 15 A**N** 400 V / 6 kV / 3 2 I<sub>N</sub> 16 A 300 V, 15 A@

Terminal block width: 5.2 mm / 0.205 inch

□ 10 ... 12 mm / 0.39 ... 0.47 inch



2-Leiter-Durchgangsklemme; mit Prüfmöglichkeit; with 2-conductor carrier terminal block; with test point; with additional jumper slot; konturengleich zu 2-Leiter-Trennadditional jumper slot

Pack. Unit

50

2-conductor through terminal block; with test point; same profile as 2-conductor disconnect terminal block

Color	Item No.	Pack. Unit
○ gray ⓑ	2002-1901 6	50
oblue 😉	2002-1904 4 6	50
orange 🗟	2002-1902 6	50

2-conductor ground terminal block; mit Prüfmöglichkeit; with additional jumper slot

green-yellow © 2002-1907 6 50

Other terminal blocks with the same profile: 2002-1911 Page 114

Accessories; item-specific

Disconnect plug for carrier terminal blocks; suitable when using a carrier terminal block as disconnect terminal block



Color

gray 😉

2002-401 100 (25)

2002-400

2002-423

2002-424

25

25

25

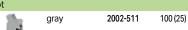
40,8 mm/1.61 in -

72,9 mm/2.87 in

Item No.

2002-1961 6

Modular connector; snaps together; for jumper contact slot



# Marking strip; plain; 11 mm wide; 50 m reel

stretchable 5 ... 5.2 mm

white



WMB Inline; plain; 1,500 WMB markers (5 mm)/reel;

Continuous jumper; insulated;  $I_N$  25 A, light gray

Continuous jumper; insulated; I<sub>N</sub> 25 A; light gray

Continuous jumper; insulated;  $I_{N}$  25 A; light gray

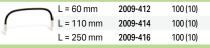
2-way

1 to 3

1 to 4

3-way 2002-413 25 u 25 2002-415 5-way

Push-in type wire jumper; insulated; 1.5 mm² conductor cross-section; I<sub>N</sub> 18 A



Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow 2002-115 100 (25) THE REAL PROPERTY.

WMB marker card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm

2009-115

1

plain 793-5501 5 Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

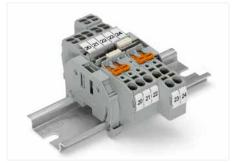
2 400 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree

- 3 Observe touch-proof protection for 42 V and higher voltages!
  - 10 Å (individual arrangement)
  - 5 A (block arrangement)
- Terminal blocks with a blue insulated housing are suitable for Exiapplications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications. 440 V: 17 A

Blade-style fuses are not offered by WAGO.

Please observe the application notes: Jumpers, from page 182 Testing accessories, from page 177 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

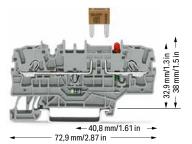


Through Terminal Blocks and Disconnect/Test Terminal

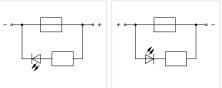
- One center and two side marker slots for WMB markers or marking strips
- Dual jumper slots in the same location as other 2002 Series terminal blocks
- Commoning options in front of or behind the knife disconnect, depending on the power supply direction

# Fuse Terminal Block TOPJOB® S; for Mini-Automotive Blade-Style Fuse; with Additional Jumper Slot

# 2.5 (4) mm<sup>2</sup>; 2002 Series



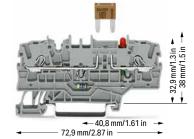




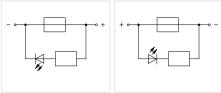
2-conductor fuse terminal block; for mini-automotive blade-style fuse; with test point; 12 V; with blown fuse indication by LED; LED power consumption: 4.8 mA; gray Electrical ratings are given by the fuse and blown fuse indication. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

	Item No.	Pack. Unit
<ul><li>anode right</li></ul>	2002-1981/1000-429	50
<ul><li>anode left</li></ul>	2002-1981/1000-449	50

Other terminal blocks	with the same profile:	
Through	2002-1901	Page 111

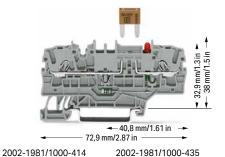






2-conductor fuse terminal block; for mini-automotive blade-style fuse; with test point; 24 V; with blown fuse indication by LED; LED power consumption: 4.8 mA; gray Electrical ratings are given by the fuse and blown fuse indication. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

	Item No.	Pack. Unit
<ul><li>anode right</li></ul>	2002-1981/1000-413	50
anode left	2002-1981/1000-434	50

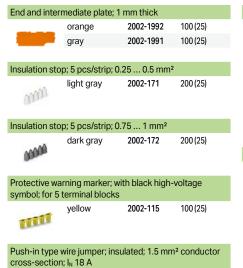


2-conductor fuse terminal block; for mini-automotive blade-style fuse; with test point; 48 V; with blown fuse indication by LED; LED power consumption: 4.8 mA; gray Electrical ratings are given by the fuse and blown fuse indication. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

	Item No.	Pack. Unit
<ul><li>anode right</li></ul>	2002-1981/1000-414	50
<ul><li>anode left</li></ul>	2002-1981/1000-435	50

# Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips



 $L = 60 \, \text{mm}$ 

L = 110 mm

L = 250 mm

Push-in type	e jumper bar; ir	nsulated; I <sub>N</sub> 25 A;	; light gray	
Contract of	2-way	2002-402	25	
111	3-way	2002-403	25	
	4-way	2002-404	25	
	5-way	2002-405	25	
	6-way	2002-406	25	
	7-way	2002-407	25	
	8-way	2002-408	25	
	9-way	2002-409	25	
	10-way	2002-410	25	
Push-in type	e jumper bar; ir	nsulated; I <sub>N</sub> 25 A;	; light gray	
		0000 400	25	
The same	1 to 3	2002-433	25	
F	1 to 3 1 to 4	2002-433	25	
M	1 to 4	2002-434	25	
1	1 to 4 1 to 5	2002-434 2002-435	25 25	
	1 to 4 1 to 5 1 to 6	2002-434 2002-435 2002-436	25 25 25	
	1 to 4 1 to 5 1 to 6 1 to 7	2002-434 2002-435 2002-436 2002-437	25 25 25 25 25	
	1 to 4 1 to 5 1 to 6 1 to 7 1 to 8	2002-434 2002-435 2002-436 2002-437 2002-438	25 25 25 25 25 25	

Staggered j	umper; insulate	ed; I <sub>N</sub> 25 A; light	gray	
CONT.	2-way	2002-472	25	
200	3-way	2002-473	25	
11	4-way	2002-474	25	
	5-way	2002-475	25	
	6-way	2002-476	25	
	7-way	2002-477	25	
	8-way	2002-478	25	
	9-way	2002-479	25	
	10-way	2002-480	25	
	11-way	2002-481	25	
	12-way	2002-482	25	
Continuous	jumper; insulat	ted; $I_N$ 25 A, light	gray	
	2-way	2002-400	25	
Continuous	jumper; insulat	ted; I <sub>N</sub> 25 A; light	gray	
	1 to 3	2002-423	25	
13	1 to 4	2002-424	25	
Continuous	jumper; insulat	ted; I <sub>N</sub> 25 A, light	gray	
	3-way	2002-413	25	
1.1	5-way	2002-415	25	



2009-412

2009-414

2009-416

100 (10)

100 (10)

100 (10)

**Technical Data** 

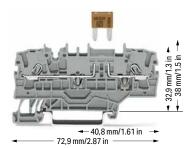
0.25 ... 2.5 (4) mm<sup>2</sup> 400 V / 6 kV / 3 2

Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm"

Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

I<sub>N</sub> 10 A 🔞

Terminal block width: 5.2 mm / 0.205 inch



22 ... 12 AWG

250 V, 10 A 👊

- 2 400 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree
- 3 Observe touch-proof protection for 42 V and higher voltages!
  - 10 Å (individual arrangement)
  - 5 A (block arrangement)

Blade-style fuses are not offered by WAGO.

Please observe the application notes: Jumpers, from page 182 Testing accessories, from page 177 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



Selecting the correct fuse cartridge is important for product safety within applications, as well as for fuse cartridge service life and reliability. Fuse cartridges can operate perfectly as protection (break-off point) if they are properly selected and used according to manufacturer specifications.

Nominal current ratings for fuse cartridges are defined differently in international standards.

This is why the recommended continuous current-carrying capacity of the fuses is a max. 80% of their nominal current according to DIN 72581/Part 3 (for a surrounding air temperature of 23°C).

With regard to product safety, fuse cartridges must generally be tested both under normal and faulty operating conditions within your application.

2-conductor fuse terminal block; for mini-automotive blade-style fuse; with test point; without blown fuse indication; with additional jumper slot Electrical ratings are given by the fuse. Blade-style fuses: Observe touch-proof protection for 42 V and higher

Color	Item No.	Pack. Unit
○ grav	2002-1981	50

WMB Inline; plain; 1,500 WMB markers (5 mm)/reel; stretchable 5. .. 5.2 mm



2009-115

1

Marking strip; plain; 11 mm wide; 50 m reel



2009-110

WMB marker card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm



plain

793-5501

Double-deck marker carrier; pivoting



gray

2002-121

50 (25)

# Fused Disconnect Terminal Block with Pivoting Fuse Holder TOPJOB® S; for 5 x 20 mm Glass Cartridge Fuse

2.5 (4) mm<sup>2</sup>; 2002 Series

□ 10 ... 12 mm / 0.39 ... 0.47 inch

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 250 V / 6 kV / 3 2 250 V, 10 A 🕦 I<sub>N</sub> 6,3 A 250 V, 10 A@ Klemmenbreite 6,2 mm / 0.244 inch



2-conductor fused disconnect terminal block with a pivoting fuse holder; for 5 x 20 mm glass cartridge fuse; without blown fuse indication Electrical ratings are given by the fuse.

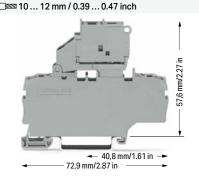
	Item No.	Pack. Unit
☐ gray ⑤	2002-1611	50

2-conductor fused disconnect terminal block with a pivoting fuse holder; for  $5\,\mathrm{x}$  20 mm glass cartridge fuse; with blown fuse indication by LED; gray Electrical ratings are given by the fuse and blown fuse

indication. Leakage current in case of a blown fuse: LED 2 mA

○ 12 30 V  ⑤	2002-1611/1000-541 3 4	50
○ 30 65 V ⓑ	2002-1611/1000-542 3 3	50
○ 120 V  ⑤	2002-1611/1000-867 3	50
230 V	2002-1611/1000-836	50

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 250 V, 10 A 👊 250 V / 6 kV / 3 2 I<sub>N</sub> 6,3 A 250 V, 10 A@ Klemmenbreite 6,2 mm / 0.244 inch



2-conductor fused disconnect terminal block with a pivoting fuse holder; with additional jumper slot; for 5 x 20 mm glass cartridge fuse; without blown fuse indication

Electrical ratings are given by the fuse.

	Item No.	Pack. Unit
gray 😉	2002-1911 3	50

2-conductor fused disconnect terminal block with a pivoting fuse holder; with additional jumper slot; for 5 x 20 mm glass cartridge fuse; with blown fuse indication by LED; gray

Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED

○ 1230 V ⑤	2002-1911/1000-541 3 4	50
○ 30 65 V 🛭	2002-1911/1000-542 3 3	50
○ 120 V ⓑ	2002-1911/1000-867 3	50
230 V	2002-1911/1000-836	50

Accessories; item-specific Push-in type wire jumper; insulated; 1.5 mm<sup>2</sup> conductor cross-section; I<sub>N</sub> 18 A 2009-412 100 (10) L = 60 mm

2009-414

2009-416

100 (10)

100 (10)

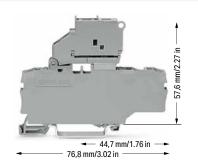
Other terminal bloc	ks with the same profile:	
Through	2002-1901	Page 111

L = 110 mm

L = 250 mm

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 250 V, 10 A 🕦 250 V / 6 kV / 3 2 250 V, 10 A@ Klemmenbreite 6,2 mm / 0.244 inch

□ 10 ... 12 mm / 0.39 ... 0.47 inch



3-conductor fused disconnect terminal block with a pivoting fuse holder; for 5 x 20 mm glass cartridge fuse; without blown fuse indication Electrical ratings are given by the fuse.

	Item No.	Pack. Unit
gray 😉	2002-1711 3	50

3-conductor fused disconnect terminal block with a pivoting fuse holder; for 5 x 20 mm glass cartridge fuse; with blown fuse indication by LED; gray Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED

$\bigcirc$	12 30 V 🗟	2002-1711/1000-541 3 4	50
$\bigcirc$	30 65 V 🕾	2002-1711/1000-542 3 6	50
$\bigcirc$	120 V 🖾	2002-1711/1000-867 3	50
	230 V 🖾	2002-1711/1000-836	50

2 mA

Other terminal blocks with the same profile:				
Through	2002-1701	Page 10		

# Accessories; 2002 Series

Through

Other terminal blocks with the same profile:

### End plate for fuse terminal blocks; 2 mm thick 2002-992 100 (25) orange 2002-991 100 (25)

Page 105

Insulation stop; 5 pcs/strip; 0.25 0.5 mm <sup>2</sup>						
	light gray	2002-171	200 (25)			

Insulation stop; 5 pcs/strip; 0.75 1 mm <sup>2</sup>					
00000	dark gray	2002-172	200 (25)		

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

vellow 2002-115 100 (25) TTTTT

# Appropriate marking systems: WMB/WMB Inline/Marking strips

Push-in type ju	umper bar; insula	ated; I <sub>N</sub> 32 A; lig	ght gray		
	2-way	2004-402	25		
111	3-way	2004-403	25		
1337	4-way	2004-404	25		
	5-way	2004-405	25		
	6-way	2004-406	25		
	7-way	2004-407	25		
	8-way	2004-408	25		
	9-way	2004-409	25		
	10-way	2004-410	25		
Push-in type ju	Push-in type jumper bar; insulated; I <sub>N</sub> 32 A; light gray				
	1 to 3	2004-433	25		

Push-in type jumper bar; insulated; I <sub>N</sub> 32 A; light gray

ush-in type j	umper bar; insul	ated; I <sub>N</sub> 32 A; Ii	ght gray
-	1 to 3	2004-433	25
V	1 to 4	2004-434	25
1	1 to 5	2004-435	25
	1 to 6	2004-436	25
	1 to 7	2004-437	25
	1 to 8	2004-438	25
	1 to 9	2004-439	25
	1 to 10	2004-440	25

# Interlocking link; mechanically locks multiple links; 1 m

transparent 210-254

Marking strip: plain: 11 mm wide: 50 m reel 2009-110 white

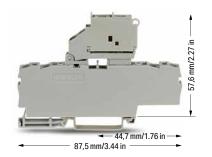
WMB marker card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm

plain 793-5501

## **Technical Data**

Klemmenbreite 6,2 mm / 0.244 inch

10 ... 12 mm / 0.39 ... 0.47 inch



4-conductor fused disconnect terminal block with a pivoting fuse holder; for 5 x 20 mm glass cartridge fuse; without blown fuse indication Electrical ratings are given by the fuse.

	Item No.	Pack. Unit
○ gray ⑤	2002-1811 3	50

4-conductor fused disconnect terminal block with a pivoting fuse holder; for 5 x 20 mm glass cartridge fuse; with blown fuse indication by LED; gray
Electrical ratings are given by the fuse and blown fuse

Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED 2 mA

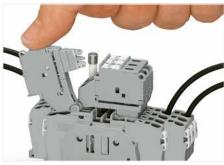
○ 12 30 V 🗟	2002-1811/1000-541 3 4	50
○ 30 65 V 🗟	2002-1811/1000-542 3 6	50
○ 120 V ⓑ	2002-1811/1000-867 3	50
○ 230 V ⑤	2002-1811/1000-836 3	50

- Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 250 V = rated voltage
   6 kV = rated impulse voltage
   3 = pollution degree
- 3 Terminal blocks with an Ex mark are suitable for Ex e II applications.
  250 V: 6.3 A
- 4 30 V / 0,8 kV / 3
- 65 V / 1,5 kV / 3

Please observe the application notes: Jumpers, from page 185 Marking, from page 322

A protective warning marker and an insulation stop must be applied individually. Due to the 6.2 mm width of fused disconnect terminal blocks with end plates, 2004 Series Push-In Type Jumper Bars must be used.

Approvals and corresponding ratings, visit www.wago.com



Fused disconnect terminal block with a pivoting fuse holder – pivoting the fuse holder into the locked open position.



Fuse terminal blocks with a width of 6.2 mm can be assembled adjacently. If there is no adjacent fuse terminal block at the end of the assembly, an end plate must be used

Glass cartridge fuse 5 x 20					
Series Item No.	Overlo short circui		Short protect	circuit ion only	
	Individual argmt.	Group argmt.	Individual argmt.	Group argmt.	
		Fuse term	inal blocks		
2002-1611		ı	ı	ı	
2002-1711	1.6 W	1.6 W	2.5 W	2.5 W	
2002-1811					
2002-1611/					
2002 1711/	1 C W	1 C W	2 5 14/	2 5 14/	

When selecting glass cartridge fuses, make sure that the maximum power loss listed below is not exceeded. The power loss is determined according to IEC or EN 60947-7-3/VDE 0611-6 at 23°C. The temperature rise of the terminal blocks must be checked according to their application and mounting. Higher ambient temperatures represent an additional impact on fuse cartridges. Therefore, in such applications, the rated current must be reduced if necessary. More details are available from the manufacturers.

# Other terminal blocks with the same profile:

Through <b>2002-1801</b> Page	109
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Fused disconnect terminal block with a pivoting fuse holder – fuse replacement: Open the cover to replace the fuse.

# Glass cartridge fuses 5 x 20

2002-1811/....-...

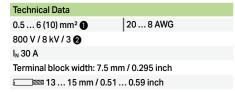
Series Item No.	Overload and short circuit protection		Short circuit protection only	
	Individual argmt.	Group argmt.	Individual argmt.	Group argmt.
	Fuse terminal blocks			
2002-1911	1.6 W	1.6 W	2.5 W	2.5 W
2002-1911/	1.6 W	1.6 W	2.5 W	2.5 W

When selecting glass cartridge fuses, make sure that the maximum power loss listed below is not exceeded. The power loss is determined according to IEC or EN 60947-7-3/VDE 0611-6 at 23°C. The temperature rise of the terminal blocks must be checked according to their application and mounting. Higher ambient temperatures represent an additional impact on fuse cartridges. Therefore, in such applications, the rated current must be reduced if necessary. More details are available from the manufacturers.



# Disconnect Terminal Block, Ground Conductor Disconnect Terminal Block, Carrier Terminal Block TOPJOB® S; with Push-Button

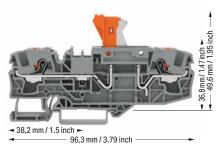
6 (10) mm<sup>2</sup>; 2206 Series



Technical Data		
0.5 6 (10) mm <sup>2</sup>	20 8 AWG	
Torminal block width: 15	mm / 0 501 inch	

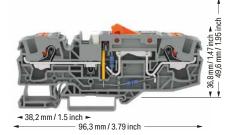
□ 13 ... 15 mm / 0.51 ... 0.59 inch

Technical Data	
0.5 6 (10) mm <sup>2</sup>	20 8 AWG
800 V / 8 kV / 3 2	
I <sub>N</sub> 30 A	
Terminal block width: 7.5	5 mm / 0.295 inch
<b>□</b> ■ 13 15 mm / 0.	.51 0.59 inch



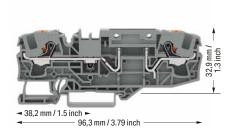
96,3 mm / 3.79 inch 2-conductor disconnect terminal block; with push-button; with pivoting knife disconnect; with test point; with orange disconnect link

Color	Item No.	Pack. Unit
gray	2206-1671	25
blue	2206-1674	25
orange	2206-1672	25
red	2206-1673	25
black	2206-1675	25



Ground conductor disconnect terminal block; with push-button; with test point; with orange disconnect

	Item No.	Pack. Unit
O 24 V	2206-1671/1000-848	12
48 V	2206-1671/1000-849	12
○ 120 V	2206-1671/1000-850	12
○ 230 V	2206-1671/1000-851	12



2-conductor carrier terminal block; with push-button

Color	Item No.	Pack. Unit
gray	2206-1661	25
blue	2206-1664	25
orange	2206-1662	25
red	2206-1663	25

Fuse		2206-1611	Page 120		
Accessories	Accessories; item-specific				
Push-in type	e jumper b	ar; insulated; I <sub>N</sub> 41 A;	light gray		
2-way	2006-402	25			
YY	3-way	2006-403	25		
	4-way	2006-404	25		
	5-way	2006-405	25		
Push-in type jumper bar; insulated; I <sub>N</sub> 41 A; light gray					
	1 to 3	2006-433	25		

Other terminal blocks with the same profile::

YY	1 to 4 1 to 5	2006-434 2006-435	25 25	
tar point jun ray	nper; insula	ated; I <sub>N</sub> = I <sub>N</sub> terminal b	olock; light	

2006-405/011-000

1-3-5



2206-1611

Page 120

Other terminal blocks with the same profile::

Fuse

Other terminal blocks with the same profile:: 2206-1611 Fuse Page 120

Accessories; item-specific					
Push-in type	Push-in type jumper bar; insulated; I <sub>N</sub> 41 A; light gray				
	2-way	2006-402	25		
YY	3-way	2006-403	25		
1	4-way	2006-404	25		
	5-way	2006-405	25		
Push-in type jumper bar; insulated; I <sub>N</sub> 41 A; light gray					
	1 to 3	2006-433	25		
Y	1 to 4	2006-434	25		
1	1 to 5	2006-435	25		
Star point jumper; insulated; $I_N = I_N$ terminal block; light					



1-3-5 2006-405/011-000 25

Disconnect plug for carrier terminal blocks; suitable when using a carrier terminal block as disconnect terminal block



orange

2006-401

Blind plug for carrier terminal block; indicates a disconnection 100 (25)



2006-451 red

25

# Accessories; 2206 Series

End and intermediate plate; 1 mm thick 2006-1692 100 (25) orange 2006-1691 100 (25)

Lockout cap; for conductor entry and operating slot

2006-191

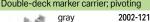
Marking strip; plain; 11 mm wide; 50 m reel

2009-110 white

WMB marker card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm 5

Appropriate marking systems: WMB/Marking strips

793-5501





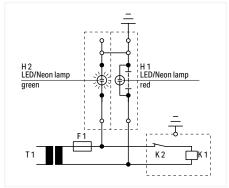
50 (25)

- Conductor range: 0.5 ... 10 mm² "s+f-st"; Push-in termination: 2.5 ... 10 mm² "s" and 2.5 ... 6 mm² "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 800 V = rated voltage8 kV = rated impulse voltage3 = pollution degree

The 2 mm test slot is only approved for high impedance measurement up to max. 100 mA.

Please observe the application notes: Jumpers, from page 185 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



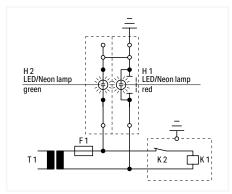
## Operation

Slide link closed, auxiliary circuit grounded, green LED/neon lamp illuminates.

IEC 60204/DIN VDE 0113 "Safety of machinery – Electrical equipment of machines – Part 1: General requirements," Section 9.4.3.1:

Ground faults on control circuits must not cause unintentional starting, hazardous movements, or prevent stopping of the machine

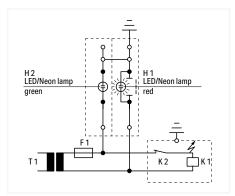
In order to fulfill this requirement, a connection to the protective bonding circuit must be provided in accordance with Section 8.2. and the devices must be connected as described in Section 9.1.4. Control circuits fed from a transformer and not connected to the protective bonding circuit must be provided with an insulation monitoring device (e.g., residual current device), which either indicates a ground fault or interrupts the circuit automatically after a ground fault.



Test condition – no grounding Slide link open, auxiliary circuit not grounded.

In the case of electronic circuits, connecting one side of the control circuit to the protective bonding circuit in accordance with Section 9.1.4 can prevent unintentional operation. When this does not help, or if due to other reasons that electronic circuits cannot be connected to the protective bonding circuit, other measures must be taken to achieve the same level of safety.

Multipole control switches that interrupt all live conductors must be used where the control circuit is directly connected between the phase conductors of the supply or between a phase conductor and a neutral conductor, which is either not grounded or grounded through a high impedance. This is required for starting or stopping machine functions, which can cause a hazardous situation including: damaging the machine or halting work in progress in the event of unintentional starting or failure to stop.



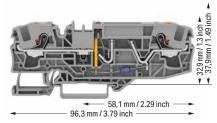
Test condition – grounding Slide link open, auxiliary circuit not grounded, red LED/neon lamp illuminates.

# Fuse Terminal Block TOPJOB® S; with Push-Button; for Automotive Blade-Style Fuse 6 (10) mm<sup>2</sup>; 2206 Series

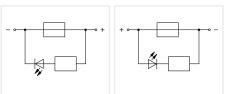
**Technical Data** 0.5 ... 6 (10) mm<sup>2</sup> 20 ... 8 AWG 500 V / 6 kV / 3 2 I<sub>N</sub> 25 A (30 A) 3 Terminal block width: 7.5 mm / 0.295 inch □ 13 ... 15 mm / 0.51 ... 0.59 inch

**Technical Data** 20 ... 8 AWG 0.5 ... 6 (10) mm<sup>2</sup> 500 V / 6 kV / 3 2 I<sub>N</sub> 25 A (30 A) 3 Terminal block width: 7.5 mm / 0.295 inch □ 13 ... 15 mm / 0.51 ... 0.59 inch

**Technical Data** 20 ... 8 AWG 0.5 ... 6 (10) mm<sup>2</sup> 500 V / 6 kV / 3 2 I<sub>N</sub> 25 A (30 A) 3 Terminal block width: 7.5 mm / 0.295 inch □ 13 ... 15 mm / 0.51 ... 0.59 inch





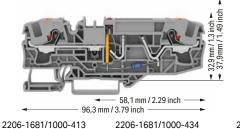


2-conductor fuse terminal block; with push-button; for automotive blade-style fuses; with test point; with blown fuse indication by LED; 12 V; LED power consumption:

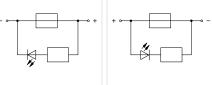
Electrical ratings are given by the fuse and blown fuse indication. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

Color	Item No.	Pack. Unit
gray	2206-1681/1000-429	25
○ grav	2206-1681/1000-449	25

Other terminal blocks	with the same profile:	
Disconnect	2206-1671	Page 116



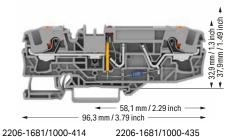


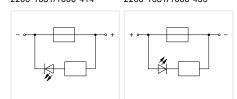


2-conductor fuse terminal block; with push-button; for automotive blade-style fuses; with test point; with blown fuse indication by LED; 24 V; LED power consumption:

Electrical ratings are given by the fuse and blown fuse indication. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

rarbe	item No.	Pack. Unit
gray	2206-1681/1000-413	25
gray	2206-1681/1000-434	25





2-conductor fuse terminal block; with push-button; for automotive blade-style fuses; with test point; with blown fuse indication by LED; 48 V; LED power consumption:

Electrical ratings are given by the fuse and blown fuse indication. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

COIOI	item No.	Pack. Utill
gray	2206-1681/1000-414	25
gray	2206-1681/1000-435	25

# Accessories; 2206 Series

End and intermediate plate; 1 mm thick

1 to 5

2006-1692 100 (25) orange 2006-1691 100 (25) Push-in type jumper bar; ins lated; I<sub>N</sub> 41 A; light gray 2006-402 25 2-way 2006-403 25 3-way 4-way 2006-404 25 5-way 2006-405 25 ated; I<sub>N</sub> 41 A Push-in type jumper bar light gray 2006-433 25 1 to 3 2006-434 25 1 to 4

2006-435

25

Appropriate marking systems: WMB/Marking strips

Marking strip	o; plain; 11 m	m wide; 50 m reel		
0	white	2009-110	1	

WMB marker card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm 793-5501 plain

Double-deck marker carrier; pivoting 2002-121



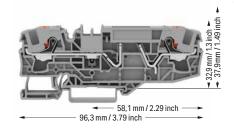


**Technical Data** 

500 V / 6 kV / 3 **2** I<sub>N</sub> 25 A (30 A)

Terminal block width: 7.5 mm / 0.295 inch

13 ... 15 mm / 0.51 ... 0.59 inch



- Conductor range: 0.5 ... 10 mm² "s+f-st"; Push-in termination: 2.5 ... 10 mm² "s" and 2.5 ... 6 mm² "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 500 V = rated voltage6 kV = rated impulse voltage3 = pollution degree
- 3 LED power consumption: 4.8 mA

The 2 mm test slot is only approved for high impedance measurement up to max. 100 mA.

Blade-style fuses are not offered by WAGO. Thermal automotive circuit breakers are not offered by WAGO.

WAGO recommends automotive circuit breakers from ETA.

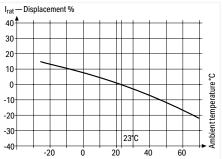
Please observe the application notes: Jumpers, from page 185 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

2-conductor fuse terminal block; with push-button; for automotive blade-style fuses; with test point; without blown fuse indication

Electrical ratings are given by the fuse. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

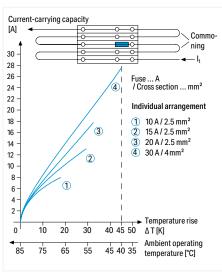
Color	Item No.	Pack. Unit
○ grav	2206-1681	25



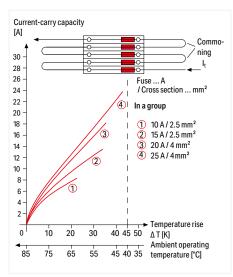
Application Notes for Use of Fuse Terminal Blocks Nominal current ratings for fuse cartridges are defined differently in international standards.

This is why the recommended continuous current-carrying capacity of the fuses is a max. 80% of their nominal current according to DIN 72581/Part 3 (for an ambient temperature of 23°C).

Selecting the correct fuse cartridge is important for product safety within applications, as well as for fuse cartridge service life and reliability. Fuse cartridges will only operate perfectly as protection components (break-off point) if they are properly selected and used as intended (i.e., according to the state of the technology and valid specifications, as well as data sheet characteristics), according to basic safety requirements (i.e., persons, animals and property must be protected against hazards).



Application Notes for Use of Fuse Terminal Blocks Diagram: "Individual Arrangement"



Application Notes for Use of Fuse Terminal Blocks Diagram: "Block Arrangement"

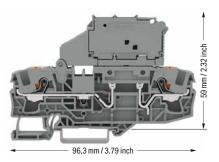
### Information from the mini-automotive, blade-type fuse manufacturers Derating T<sub>amb</sub> /°C - 25 - 20 - 15 - 10 - 5 0 0.877 13 12 0.885 0.893 11 10 9 8 6 4 2 0 2 4 0.901 0.909 0.917 5 10 15 20 23 30 35 40 45 50 55 60 0.926 0.962 0.980 1.000 1.020 1.042 6 8 1 064 1.087 - 10 1.111 - 13 - 16 1.149 1.190 - 19 -221.282

Concerning product safety, fuse cartridges must generally be tested under both normal and faulty operating conditions within your application.



# Fused Disconnect Terminal Block with a Pivoting Fuse Holder TOPJOB® S; with Push-Button; for 5 x 20 mm, 5 x 30 mm and 1/4" x 11/4" Glass Cartridge Fuses 6 (10) mm<sup>2</sup>; 2206 Series

**Technical Data** 0.5 ... 6 (10) mm<sup>2</sup> 20 ... 8 AWG 800 V / 8 kV / 3 2 I<sub>N</sub> 10 A Terminal block width: 7.5 mm / 0.295 inch □ 13 ... 15 mm / 0.51 ... 0.59 inch



2-conductor fused disconnect terminal block with a pivoting fuse holder; with push-button; without blown fuse indication

Electrical ratings are given by the fuse.

# for 5 x 20 mm glass cartridge fuse

Color		Item No.	Pack. Unit
gray	1	2206-1611	25
orar	nge	2206-1612	25
blac	k	2206-1615	25

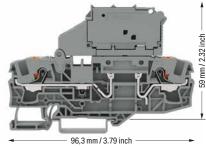
101 3 x 30 mm glass cartrage rase			
gray	2206-1621	25	
blue	2206-1624	25	
orange	2206-1622	25	

for ¼" x 1¼" glass cartridge fuse			
gray	2206-1631	25	

101	74 / 174	giado dai	triage race		
$\bigcirc$	gray		2206-1631	25	

Other terminal blocks	with the same profile:	
Disconnect	2206-1671	Page 116

**Technical Data** 0.5 ... 6 (10) mm<sup>2</sup> 20 ... 8 AWG 800 V / 8 kV / 3 2



2-conductor fused disconnect terminal block with a pivoting fuse holder; with push-button; with blown fuse indication by LED; gray

Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED 2 mA

### for 5 x 20 mm glass cartridge fuse

	Item No.	Pack. Unit
○ 1230 V	2206-1611/1000-541 3	25
○ 30 65 V	2206-1611/1000-542 4	25
○ 120 V	2206-1611/1000-867	25
230 V	2206-1611/1000-836	25

	for 5 x 30	mm glass	s cartridge	fuse
--	------------	----------	-------------	------

○ 1230 V	2206-1621/1000-541 3	25
○ 30 65 V	2206-1621/1000-542	25
O 230 V	2206-1621/1000-836	25
○ 380 500 V	2206-1621/1000-859	25

for 1/4" x 1 1/4" glass cartridge fuse				
○ 1230 V	2206-1631/1000-541 3	25		
○ 30 65 V	2206-1631/1000-542	25		
○ 120 V	2206-1631/1000-867	25		
O 230 V	2206-1631/1000-836	25		
○ 380 500 V	2206-1631/1000-859	25		

Star point jumper; insulated; I<sub>N</sub> = I<sub>N</sub> terminal block; light

Test plug; with 500 mm cable; 2 mm Ø; max. 42 V

WMB marker card; white; 10 strips with 10 markers/card;

2006-405/011-000

50 (1)

210-136

793-5501

1-3-5

stretchable 5 ... 5.2 mm

# Accessories; 2206 Series Appropriate marking systems: WMB/Marking strips

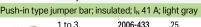
arav

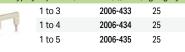
End and intere	mediate plate;	1 mm thick	
	orange	2006-1692	100 (25)
	grav	2006-1691	100 (25)

End plate for fuse terminal blocks; 2 mm thick			
	orange	2006-992	100 (25)
	gray	2006-991	100 (25)

Push-in type jumper bar; in	sulated; I <sub>N</sub> 41 A	; light gra	y
2-wav	2006-402	25	

11	2-way	2006-402	25
	3-way	2006-403	25
	4-way	2006-404	25
	5-way	2006-405	25
Push-in type jumper har: insulated: l <sub>v</sub> 41 A: light gray			





# Terminal block width: 7.5 mm / 0.295 inch ■ 13 ... 15 mm / 0.51 ... 0.59 inch



Conductor range: 0.5 ... 10 mm2 "s+f-st"; Push-in termination: 2.5 ... 10 mm<sup>2</sup> "s" and 2.5 ... 6 mm<sup>2</sup> "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree

3 30 V / 0,8 kV / 3

4 65 V / 1,5 kV / 3

The 2 mm test slot is only approved for high impedance measurement up to max. 100 mA

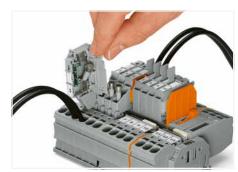
Please observe the application notes: Jumpers, from page 185 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



Fused Disconnect Terminal Block with a Pivoting Fuse Holder

Pivot the fuse holder into the locked open position.



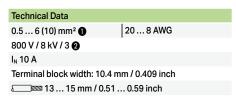
Fused Disconnect Terminal Block with a Pivoting Fuse Holder

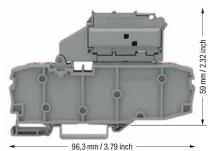
Fuse replacement:

Open the cover to replace the fuse.

# Fused Disconnect Terminal Block with a Pivoting Fuse Holder TOPJOB® S; with Push-Button; for 1/4" x 11/4" Glass Cartridge Fuses

# 6 (10) mm<sup>2</sup>; 2206 Series





Fused disconnect terminal block with a pivoting fuse holder and end plate; with push-button; without blown fuse indication

Electrical ratings are given by the fuse.

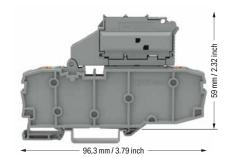
Other terminal blocks with the same profile

End plate for fuse terminal blocks; 2 mm thick

## for 1/4" x 11/4" glass cartridge fuse

Color	Item No.	Pack. Unit
gray	2206-1631/099-000	25

2206-1671



Fused disconnect terminal block with a pivoting fuse holder and end plate; with push-button; with blown fuse indication by LED; gray

Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED 2 mA

for 1/4" x 11/4" glass cartridge fuse

	item No.	Pack. Utill
○ 1230 V	2206-1631/1099-541 3	25
○ 30 65 V	2206-1631/1099-542 4	25
○ 120 V	2206-1631/1099-867	25
O 230 V	2206-1631/1099-836	25
○ 380 500 V	2206-1631/1099-859	25

Other terminal blocks		
Disconnect	2206-1671	Page 116

Conductor range: 0.5 ... 10 mm² "s+f-st"; Push-in termination: 2.5 ... 10 mm² "s" and 2.5 ... 6 mm² "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

800 V = rated voltage8 kV = rated impulse voltage3 = pollution degree

3 30 V / 0,8 kV / 3

4 65 V / 1,5 kV / 3

The 2 mm test slot is only approved for high impedance measurement up to max. 100 mA.

Please observe the application notes: Jumpers, from page 185 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



Pivoting fuse holder with spare fuse holder

# Accessories; 2206 Series

Disconnect

Appropriate marking systems: WMB/Marking strips

Page 116

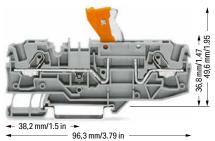
	orange	2006-992	100 (25)	
	gray	2006-991	100 (25)	
Push-in type j	jumper bar; insu	lated; I <sub>N</sub> 41 A; I	ight gray	
	2-way	2006-402	25	
YY	3-way	2006-403	25	
1-	4-way	2006-404	25	
	5-way	2006-405	25	
Star point jum	nper; insulated; l	<sub>N</sub> = I <sub>N</sub> terminal	block; ligl	nt
gray				
兩	1-3-5	2002-405/011	-000	25
Test plug; with	n 500 mm cable	; 2 mm Ø; max	42 V	
/	red	210-136	50 (1)	
WMB marker stretchable 5	card; white; 10 s 5.2 mm	strips with 10 r	narkers/c	ard;
	plain	793-5501	5	

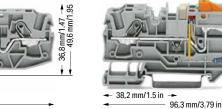
# Disconnect Terminal Block, Ground Conductor Disconnect Terminal Block, Carrier Terminal Block, Through Terminal Block TOPJOB® S

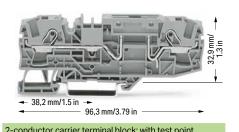
6 (10) mm<sup>2</sup>; 2006 Series

Terminal block width: 7.5 mm / 0.295 inch

□ 13 ... 15 mm / 0.51 ... 0.59 inch







# 2-conductor disconnect terminal block; with test point; orange disconnect link

Color	Item No.	Pack. Unit
gray	2006-1671	25
blue	2006-1674	25

Ground conductor disconnect terminal block point; orange disconnect link; gray	k; with test
Item No	Pack Unit

	Item No.	Pack. Unit
○ 24 V	2006-1671/1000-848	12
48 V	2006-1671/1000-849	12
○ 120 V	2006-1671/1000-850	12
230 V	2006-1671/1000-851	12

2 contactor carron tommia broom, mar toot point			
Color	Item No.	Pack. Unit	
gray	2006-1661	25	
blue	2006-1664	25	

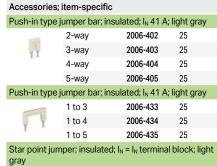
Other terminal blocks	with the same profile:	
Through	2006-1601	Page 123

Other terminal blocks	with the same profile:	
Through	2006-1601	Page 123

Other terminal blocks	with the same profile:	
Through	2006-1601	Page 123

### Accessories; item-specific Push-in type jumper bar; insulated; I<sub>N</sub> 41 A; light gray 2-way 2006-402 25 2006-403 25 3-way 2006-404 25 4-way 2006-405 25 5-way Push-in type jumper bar; ins ated; I<sub>N</sub> 41 A; light gray 1 to 3 2006-433 25 2006-434 25 1 to 4 1 to 5 2006-435 Star point jumper; insulated; $I_N = I_N$ terminal block; light 1-3-5 2006-405/011-000 25







1-3-5 2006-405/011-000 25

Disconnect plug for carrier terminal blocks; suitable when using a carrier terminal block as disconnect terminal block



range 2006-401

100 (25)

Blind plug for carrier terminal block; indicates a disconnection



red

2006-451 100 (25)

## Accessories; 2006 Series

End and intermediate plate; 1 mm thick

orange 2006-1692 100 (25)

gray 2006-1691 100 (25)

Appropriate marking systems: WMB/Marking strips

Lockout cap; for conductor entry and operating slot
gray 2006-191 25

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks



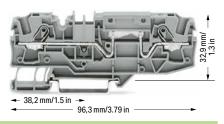
yellow 20

2006-115 100 (25)

## **Technical Data**

Terminal block width: 15 mm / 0.591 inch

13 ... 15 mm / 0.51 ... 0.59 inch



2-conductor through terminal block; with test point; same profile as 2-conductor disconnect terminal block

Color	Item No.	Pack. Unit
gray	2006-1601	25
blue	2006-1604	25

## Other terminal blocks with the same profile:

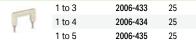
Carrier	2006-1661	Page 122
Fuse	2006-1681	Page 125
Disconect	2006-1671	Page 122

# Accessories; item-specific

## Push-in type jumper bar; insulated; I<sub>N</sub> 41 A; light gray

	2-way	2006-402	25
ſ	3-way	2006-403	25
	4-way	2006-404	25
	5-way	2006-405	25

# Push-in type jumper bar; insulated; I<sub>N</sub> 41 A; light gray



Star point jumper; insulated;  $I_N$  =  $I_N$  terminal block; light grav



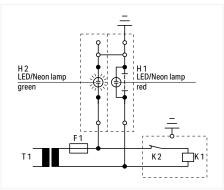
1-3-5 **2006-405/011-000** 25

Conductor range: 0.5 ... 10 mm² "s+f-st"; Push-in termination: 2.5 ... 10 mm² "s" and 2.5 ... 6 mm² "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

800 V = rated voltage
 8 kV = rated impulse voltage
 3 = pollution degree

Please observe the application notes: Jumpers, from page 185 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



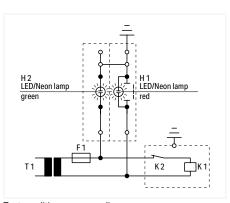
Operating condition

Slide link closed, auxiliary circuit grounded, green LED/neon lamp illuminates.

IEC 60204/DIN VDE 0113 "Safety of machinery – Electrical equipment of machines – Part 1: General requirements," Section 9.4.3.1:

Ground faults on control circuits must not cause unintentional starting, hazardous movements, or prevent stopping of the machine.

In order to fulfill this requirement, a connection to the protective bonding circuit must be provided in accordance with Section 8.2 and the devices must be connected as described in Section 9.1.4. Control circuits fed from a transformer and not connected to the protective bonding circuit must be provided with an insulation monitoring device (e.g., residual current device), which either indicates a ground fault or interrupts the circuit automatically after a ground fault.

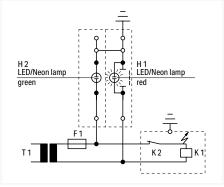


Test condition – no grounding

Slide link open, auxiliary circuit not grounded.

In the case of electronic circuits, the connection of one side of the control circuit to the protective bonding circuit in accordance with Section 9.1.4 can prevent unintentional operation. When this does not help, or if due to other reasons that electronic circuits cannot be connected to the protective bonding circuit, other measures must be taken to achieve the same level of safety.

Multipole control switches that interrupt all live conductors must be used where the control circuit is directly connected between the phase conductors of the supply or between a phase conductor and a neutral conductor, which is either not grounded or grounded through a high impedance. This is required for starting or stopping machine functions, which can cause a hazardous situation including: damaging the machine or halting work in progress in the event of unintentional starting or failure to stop.



Test condition – grounding Slide link open, auxiliary circuit not grounded, red LED/neon lamp illuminates.

# Double-deck marker carrier; pivoting



gray

2002-121

50 (25)



Ground conductor disconnect terminal block - top view



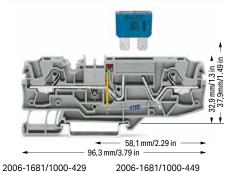
# Fuse Terminal Block for Automotive Blade-Style Fuse TOPJOB® S 6 (10) mm<sup>2</sup>; 2006 Series

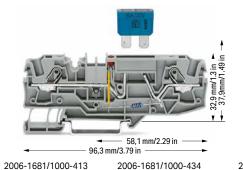
Color

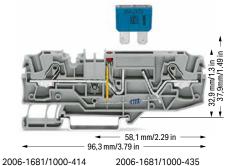
gray

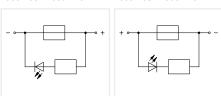
gray

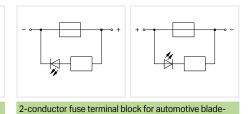
### 











2-conductor fuse terminal block for automotive bladestyle fuse; with test point; 12 V; with blown fuse indication by LED; LED power consumption: 4.8 mA Electrical ratings are given by the fuse and blown fuse indication. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

Color	Item No.	Pack. Unit
gray	2006-1681/1000-429	25
O gray	2006-1681/1000-449	25

2-conductor fuse terminal block for automotive bladestyle fuse; with test point; 24 V; with blown fuse indication by LED; LED power consumption: 4.8 mA Electrical ratings are given by the fuse and blown fuse indication. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

Item No.

2006-1681/1000-413

2006-1681/1000-434

	p
k. Unit	C

25

protection for 42 V and	d higher voltages!	
Color	Item No.	Pack. Unit
gray	2006-1681/1000-414	25
O grav	2006 1601/1000 425	25

style fuse; with test point; 48 V; with blown fuse indication

Electrical ratings are given by the fuse and blown fuse

indication. Blade-style fuses: Observe touch-proof

by LED; LED power consumption: 4.8 mA

Other terminal blocks with the same profile:		
Through	2006-1601	Page 123

Accessories; 2006 Series

Appropriate marking systems: WMB/Marking strips

End and intermediate plate; 1 mm thick			
	orange	2006-1692	100 (25)
	gray	2006-1691	100 (25)
Push-in type	jumper bar; in:	sulated; $I_N$ 41 A;	light gray
	2-way	2006-402	25
YX	3-way	2006-403	25
	4-way	2006-404	25
	5-way	2006-405	25
Push-in type jumper bar; insulated; I <sub>N</sub> 41 A; light gray			
	1 to 3	2006-433	25
Y	1 to 4	2006-434	25
1	1 to 5	2006-435	25
Protective warning marker; with black high-voltage symbol; for 5 terminal blocks			

yellow

11111

Marking strip; plain; 11 mm wide; 50 m reel			
0	white	2009-110	1
WMB marking 5 5.2 mm s		0 strips with 10	) markers/card;
	plain	793-5501	5
Double-deck	marker carrier;	pivoting	
فط	gray	2002-121	50 (25)

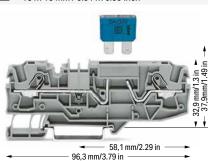
2006-115

100 (25)

## **Technical Data**

Terminal block width: 7.5 mm / 0.295 inch

2 13 ... 15 mm / 0.51 ... 0.59 inch



- Conductor range: 0.5 ... 10 mm² "s+f-st"; Push-in termination: 2.5 ... 10 mm² "s" and 2.5 ... 6 mm² "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 500 V = rated voltage6 kV = rated impulse voltage3 = pollution degree
- 3 LED power consumption: 4.8 mA

Blade-style fuses are not offered by WAGO. Thermal automotive circuit breakers are not offered by WAGO.

WAGO. The commendation of the property of the circuit breakers from the circuit breakers are not offered by WAGO.

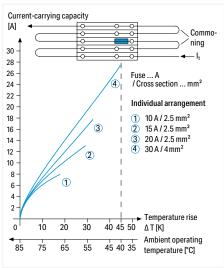
WAGO recommends automotive circuit breakers from ETA.

Please observe the application notes: Marking, from page 322

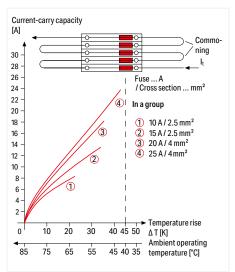
Approvals and corresponding ratings, visit www.wago.com

2-conductor fuse terminal block for automotive bladestyle fuse; with test point; without blown fuse indication; Electrical ratings are given by the fuse. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

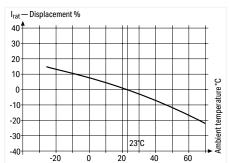
Color	Item No.	Pack. Unit
gray	2006-1681	25



Application Notes on Fuse Terminal Blocks Diagram: Individual arrangement



Application Notes on Fuse Terminal Blocks
Diagram: Block arrangement

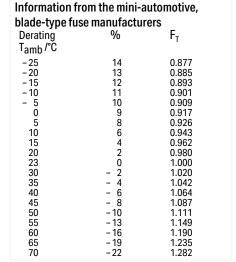


# Application Notes on Fuse Terminal Blocks

Nominal current ratings for fuse cartridges are defined differently in international standards.

This is why the recommended continuous current-carrying capacity of the fuses is a max. 80% of their nominal current according to DIN 72581/Part 3 (for an surrounding air temperature of 23°C).

Selecting the correct fuse cartridge is important for product safety within applications, as well as for fuse cartridge service life and reliability. Fuse cartridges will only operate perfectly as protection components (break-off point) if they are properly selected and used as intended (i.e., according to the state of the technology and valid specifications, as well as data sheet characteristics), according to basic safety requirements (i.e., persons, animals and property must be protected against hazards).



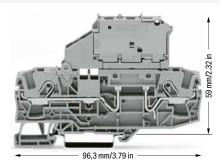
With regard to product safety, fuse cartridges must generally be tested both under normal and faulty operating conditions within your application.



# Fused Disconnect Terminal Block with Pivoting Fuse Holder TOPJOB® S; for 5 x 20 mm, 5 x 30 mm and $\frac{1}{4}$ " x $1\frac{1}{4}$ " Glass Cartridge Fuse

6 (10) mm<sup>2</sup>; 2006 Series

Technical Data		
0.5 6 (10) mm <sup>2</sup>	20 8 AWG	
	600 V, 15 A <b>RL</b>	
I <sub>N</sub> 10 A	600 V, 15 A@	
Terminal block width: 7.5 mm / 0.295 inch		
13 15 mm / 0.51 0.59 inch		



2-conductor fused disconnect terminal block with a pivoting fuse holder; without blown fuse indication Electrical ratings are given by the fuse.

# for 5 x 20 mm glass cartridge fuse

Color	Item No.	Pack. Unit
gray	2006-1611	25
orange	2006-1612	25

for 5 x 30 mm glass ca	rtridge fuse	
○ gray	2006-1621	25

for 1/4" x 11/4" glass cartridge fuse		
gray	2006-1631	25

Other terminal blocks	with the same profile:	
Through	2000 1001	Dog 100

■ 13 ... 15 mm / 0.51 ... 0.59 inch

2-conductor fused disconnect terminal block with a pivoting fuse holder; gray; with blown fuse indication by LED Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED 2 mA

96,3 mm/3.79 in

### for 5 x 20 mm glass cartridge fuse

	Item No.	Pack. Unit
○ 1230 V	2006-1611/1000-541 3	25
○ 30 65 V	2006-1611/1000-542 4	25
○ 120 V	2006-1611/1000-867	25
230 V	2006-1611/1000-836	25

£ F	20	-1		e
TOT 5 X	. ദധ mm	diass	cartridge	e ruse

○ 12 30 V	2006-1621/1000-541 3	25
○ 30 65 V	2006-1621/1000-542 4	25
○ 230 V	2006-1621/1000-836	25
○ 380 500 V	2006-1621/1000-859	25

for 1/4" x 11/4" glass car	tridge fuse
∩ 12 30 V	2006-1631/100

1230 V	2006-1631/1000-541	25
○ 30 65 V	2006-1631/1000-542	25
○ 120 V	2006-1631/1000-867	25
230 V	2006-1631/1000-836	25
○ 380 500 V	2006-1631/1000-859	25

Other terminal blocks	with the same profile:

	O ti ioi toi iiiiiiai bioono		
Through 2006-1601 Page 123	Through	2006-1601	Page 123

# Accessories; 2006 Series

Appropriate marking systems: WMB/Marking strips

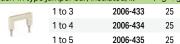
End and intermediate plate; 1 mm thick						
	orange	2006-1692	100 (25)			
	gray	2006-1691	100 (25)			

## End plate for fuse terminal blocks; 2 mm thick

orange	2006-992	100 (25)
gray	2006-991	100 (25)

Push-in type jumper bar; in	; light gra	y	
2-way	2006-402	25	

YY	3-way	2006-403	25		
1-	4-way	2006-404	25		
	5-way	2006-405	25		
Push-in type jumper bar; insulated; I <sub>N</sub> 41 A; light gray					



# Star point jumper; insulated; $I_N$ = $I_N$ terminal block; light gray

1-3-5 **2006-405/011-000** 25

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow 2006-115 100 (25)

Test plug; with 500 mm cable; 2 mm Ø; max. 42 V red 210-136 50 (1)

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

5 ... 5.2 mm stretchable plain 793-5501 5

Conductor range: 0.5 ... 10 mm² "s+f-st"; Push-in termination: 2.5 ... 10 mm² "s" and 2.5 ... 6 mm² "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

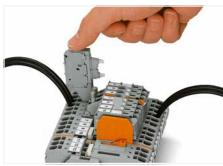
800 V = rated voltage8 kV = rated impulse voltage3 = pollution degree

3 30 V / 0,8 kV / 3

4 65 V / 1,5 kV / 3

Please observe the application notes Jumpers, from page 185 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



Fused disconnect terminal block with a pivoting fuse holder - pivoting the fuse holder into the locked open position.



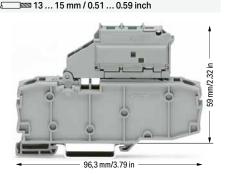
Fused disconnect terminal block with a pivoting fuse holder – fuse replacement: Open the cover to replace the fuse



# Fused Disconnect Terminal Block with Pivoting Fuse Holder TOPJOB® S; for $\frac{1}{4}$ " x $1\frac{1}{4}$ " Glass Cartridge Fuse

6 (10) mm<sup>2</sup>; 2006 Series

Technical Data					
	20 8 AWG				
800 V / 8 kV / 3 2	600 V, 15 A 👊				
I <sub>N</sub> 10 A	600 V, 15 A®				
Terminal block width: 10.4 mm / 0.409 inch					

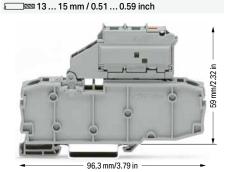


Fused disconnect terminal block with a pivoting fuse holder and end plate; without blown fuse indication Electrical ratings are given by the fuse.

for 1/4" x 11/4" glass cartridge fuse

Color	Item No.	Pack. Unit
□ grav	2006-1631/099-000	25

2006-1601



Fused disconnect terminal block with a pivoting fuse holder and end plate; gray; with blown fuse indication by LED

Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED 2 mA

for 1/4" x 11/4" glass cartridge fuse

	Item No.	Pack. Unit
○ 12 30 V	2006-1631/1099-541 3	25
○ 30 65 V	2006-1631/1099-542 4	25
O 120 V	2006-1631/1099-867	25
O 230 V	2006-1631/1099-836	25
○ 380 500 V	2006-1631/1099-859	25

Other terminal blocks with the same profile:		
Through	2006-1601	Page 123

Conductor range: 0.5 ... 10 mm² "s+f-st"; Push-in termination: 2.5 ... 10 mm² "s" and 2.5 ... 6 mm² "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

800 V = rated voltage8 kV = rated impulse voltage3 = pollution degree

3 30 V / 0,8 kV / 3

4 65 V / 1,5 kV / 3

Please observe the application notes: Jumpers, from page 185 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



Pivoting fuse holder with spare fuse holder

# Accessories; 2006 Series

Through

Other terminal blocks with the same profile

Appropriate marking systems: WMB/Marking strips

Page 123

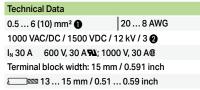
End plate for fuse terminal blocks; 2 mm thick					
	orange	2006-992	100 (25)		
	gray	2006-991	100 (25)		
Push-in type	jumper bar; insu	lated; I <sub>N</sub> 25 A; I	ight gray		
-	1 to 3	2002-433	25		
	1 to 5	2002-435	25		
1	1 to 7	2002-437	25		
	1 to 9	2002-439	25		
Star point jun	nper; insulated; l	<sub>N</sub> = I <sub>N</sub> terminal I	olock; light		
gray					
PIP	1-3-5	2002-405/011	<b>-000</b> 25		
Test plug; wit	1-3-5 h 500 mm cable;				
Test plug; wit					
/	h 500 mm cable; red g card; white; 10	2 mm Ø; max. 210-136	42 V 50 (1)		
WMB marking	h 500 mm cable; red g card; white; 10	2 mm Ø; max. 210-136	42 V 50 (1)		

# Glass cartridge fuses

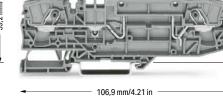
Series Item No.		Overlo short circui		Short protect	circuit ion only
		Individual argmt.	Group argmt.	Individual argmt.	Group argmt.
Fused disconnect terminal blocks					
2006-1611	7.5	1.6 W	1.6 W	2.5 W	2.5 W
2006-1621	7.5	1.6 W	1.6 W	2.5 W	2.5 W
2006-1631	7.5	1.6 W	1.6 W	2.5 W	2.5 W
2006-1631 /099 2006-1631	10.4	2.5 W	2.5 W	2.5 W	2.5 W
/1099	10.4	2.5 W	2.5 W	2.5 W	2.5 W

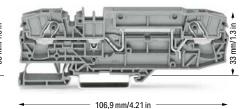
When selecting glass cartridge fuses, make sure that the maximum power loss listed below is not exceeded. The power loss is determined according to IEC or EN 60947-7-3/VDE 0611-6 at 23°C. The temperature rise of the terminal blocks must be checked according to their application and mounting. Higher ambient temperatures represent an additional impact on fuse cartridges. Therefore, in such applications, the rated current must be reduced if necessary. More details are available from the manufacturers.

# Disconnect/Test Terminal Block, Carrier Terminal Block, Through Terminal Block TOPJOB® S 6 (10) mm²; 2006 Series









2-conductor disconnect/test terminal block; with test	
point; orange disconnect link	

106,9 mm/4.21 in

P - 4 - 5 - 5		
Color	Item No.	Pack. Unit
gray	2006-8671	12
blue	2006-8674	12

2-conductor carrier terminal block; with test point

Color	Item No.	Pack. Unit
gray	2006-8661	12
blue	2006-8664	12

	2-conductor through terminal block; with test point; same profile as 2-conductor disconnect terminal block			
Color Item No. Pack. Un				
	gray	2006-8601	12	
	blue	2006-8604	12	

# Accessories; item-specific

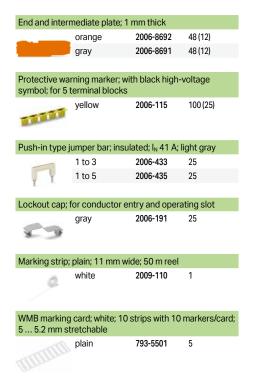
Disconnect plug for carrier terminal blocks; suitable when using a carrier terminal block as disconnect terminal block



orange 2006-8401 48 (12)

Accessories; 2006 Series

Appropriate marking systems: WMB/Marking strips



- Conductor range: 0.5 ... 10 mm² "s+f-st"; Push-in termination: 2.5 ... 10 mm² "s" and 2.5 ... 6 mm² "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 1000 VAC/DC = rated voltage
   1500 VDC
   12 kV = rated impulse voltage
   3 = pollution degree

Please observe the application notes: Marking, from page 322

Protective warning markers must be applied individually.

Approvals and corresponding ratings, visit www.wago.com

Both 2006-8671 and 2006-8661 Disconnect Terminal Blocks are specially designed for use in photovoltaic and wind power systems, where voltages exceeding 1,000 V (IEC) and 600 V (UL) occur (e.g., generator junction boxes).

- Ideal for high voltages in renewable energy applications
- Disconnect terminal blocks with two alternative disconnect options:

with orange knife disconnect (2006-8671) with orange disconnect plug (2006-8661)

- These 2006 Series terminal blocks are approved for 1,500 VDC (IEC) or 1,000 VDC (UL) and 30 A.
- With a terminal block width of 15 mm, the maximum cross-section for solid and fine-stranded conductors is 10 mm² (AWG 8) and 6 mm² (AWG 10) for ferruled conductors.
- · Equipped with two test slots
- Compatible with through terminal blocks of the same profile and all other terminal blocks TOPJOB® S



Disconnect/test terminal block with knife disconnect (Item No. 2006-8671) in disconnect position



Carrier terminal block with disconnect plug (Item No. 2006-8401) in operating position  $\,$ 



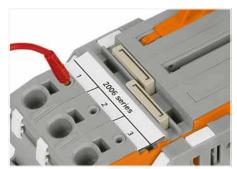
Carrier terminal block with disconnect plug (Item No. 2006-8401) in parked position



Commoning a 15 mm-wide terminal block via push-in type jumper bars: 1 to 3 (Item No. 2006-433) and 1 to 5 (Item No. 2006-435).



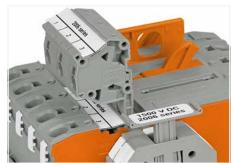
Cover (Item No. 2006-191) seals unused conductor entry.



Test slots on both terminal block sides allow for direct measurement.



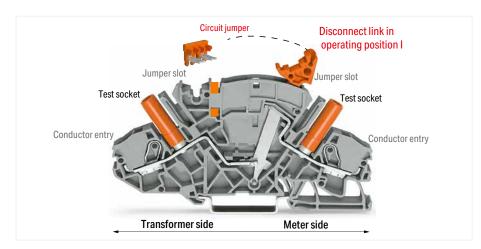
Test slots on both terminal block sides allow for direct measurement.



Alternatively, measurement can also be performed using Connectors (Item No. 2006-511) from terminal block 1 to 2. Spacer modules (Item No. 2006-549) must be used to compensate for the 15 mm terminal block width.



# Current Transformer Terminal Blocks TOPJOB® S, 2007-8821 (Orange Disconnect Link)



Circuit jumper

Disconnect link in shorting position II

Jumper slot

Test socket

Conductor entry

Transformer side

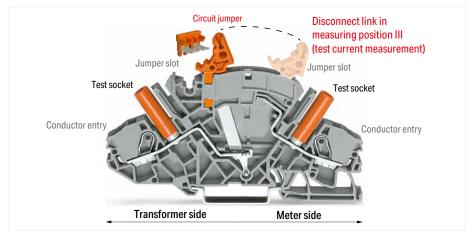
Meter side

Current Transformer (Disconnect/Test) Terminal Block (2007-8821) is designed for current transformer circuits.

First, the current transformer is shorted via disconnect link and circuit jumper (insert jumper, move disconnect link from operating position I to shorting position II, activate shorting path). Connecting a measurement device via test socket on the meter side can only be performed once circuit disconnection is complete (disconnect link in measuring position III).

## Advantages:

- Top-of-unit circuit jumper slot for shorting path activation
- Disconnect link provides intuitive and easy operation, as well as exact switching status indication.
- Combines high functionality with compact design (99.6 mm long and 8 mm wide).
- All 2007 Series terminal blocks are rated at 30 A/500 V (IEC) and 300 V (UL).
- With a terminal block width of 8 mm, the maximum cross-section for solid and fine-stranded conductors is 10 mm² (8 AWG) and 6 mm² (10 AWG) for ferruled conductors.
- Touch-proof test sockets for 4 mm Ø test plugs on transformer and meter side.
- Compatible with through and ground conductor terminal blocks having the same profile.





Preparing shorting path for the current transformer circuits.



Insert insulated, touch-proof circuit jumpers into jumper



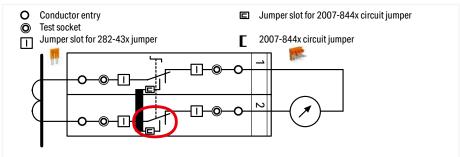
Using locking covers or profiles for adjacent terminal blocks allows disconnect links to be operated simultaneously.



# Implementing a Current and Voltage Transformer Circuit TOPJOB® S



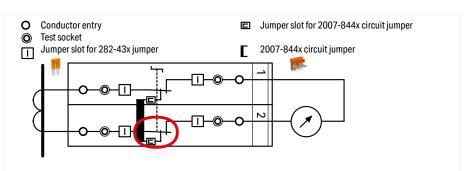
Disconnect link in operating position I
Terminal blocks required:
2 x disconnect/test terminal block (2007-8821)
1 x circuit jumper, orange (2007-8442)
Locking covers or interlocking links (option)



In the operating position, the measurement device is connected to the transformer, the circuit jumper is inserted and the disconnect link is in position l.



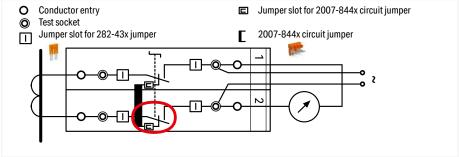
Disconnect link in shorting position II



The transformer is not disconnected from the measuring device yet, the shorting path is activated by moving the disconnect link into shorting position II and the transformer is safely shorted.



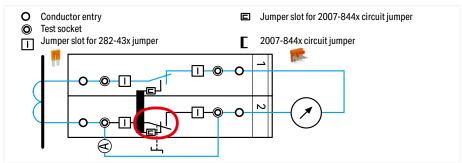
Test current measurement: Disconnect link in measuring position III



The measuring device is electrically disconnected from the transformer. If required, an external voltage can be applied to the measuring device via the test socket.



Measurement testing (using both test sockets)
Terminal block 1: Disconnect link in operating position I
Terminal block 2: Disconnect link in measuring position III



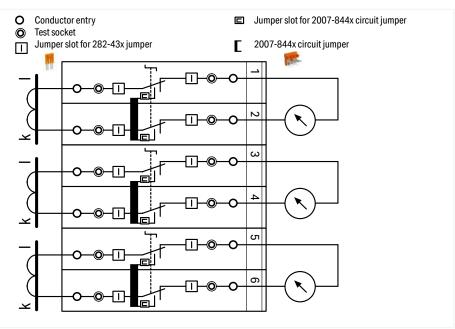
Measurement testing: First insert the reference current meter (A) into the test socket, then move the disconnect link into measurement point III (test current measurement).

# Examples for Current Transformer Circuits TOPJOB® S



Measuring set for a three-phase current transformer Terminal blocks required:

- 6 x disconnect/test terminal block (2007-8821)
- 3 x circuit jumper, orange (2007-8442)
- In addition: interlocking link, locking cover, lock-out



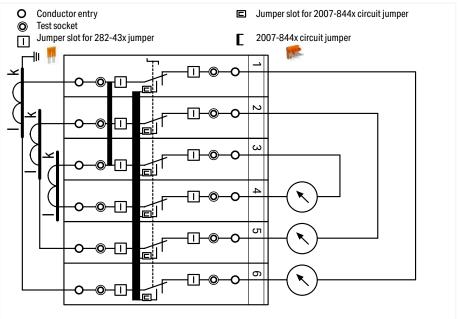
Pairs of disconnect links are interconnected via locking cover or interlocking link. Measurement testing is performed after the interlocking is released.



Measuring set for a three-phase current transformer with 'Y' point

Terminal blocks required:

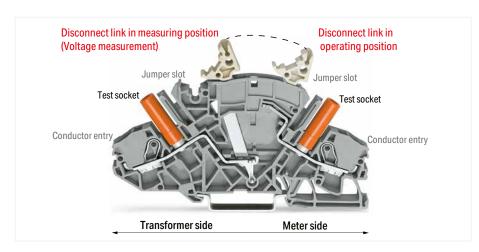
- 6 x disconnect/test terminal block (2007-8821)
- 1 x circuit jumper, orange (2007-8446)
- 1 x jumper, orange (282-433)
- In addition: interlocking link, locking cover, lock-out



All six disconnect links are interconnected via locking cover or interlocking link.



# Voltage Transformer Terminal Blocks TOPJOB® S, 2007-8811 (Light Gray Disconnect Link)



Voltage Transformer (Disconnect/Test) Terminal Block (2007-8811) is designed for current transformer circuits.

First, disconnect the voltage transformer from the circuit (move disconnect link from operating position to measurement position). Connecting a measurement device via test socket on the meter side can only be performed after disconnection is complete (measuring position).

## Advantages:

- For voltage transformer circuits (no circuit jumper slot required as for 2007-8821 Current Transformer Terminal Block)
- Disconnect link provides intuitive and easy operation, as well as exact switching status indication.
- Combines high functionality with compact design (99.6 mm long and 8 mm wide).
- All 2007 Series terminal blocks are rated at 30 A/500 V (IEC) and 300 V (UL).
- With a terminal block width of 8 mm, the maximum cross-section for solid and fine-stranded conductors is 10 mm<sup>2</sup> (8 AWG) and 6 mm<sup>2</sup> (10 AWG) for ferruled conductors.
- Touch-proof test sockets for 4 mm Ø test plugs on transformer and meter side.
- Compatible with through and ground conductor terminal blocks having the same profile.

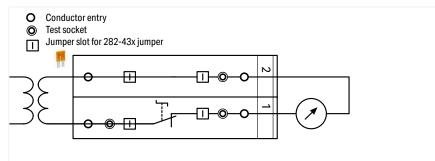


Example for voltage transformer testing:

Measuring set for single-phase voltage transformer test-

Terminal blocks required:

- 1 x disconnect/test terminal block (2007-8811)
- 1 x through terminal block (2007-8801)
- 1 x end plate, orange (2007-8892)
- · In addition: locking cover, lock-out



Disconnecting the voltage transformer from the circuit: Move disconnect link from operating position to measurement

Voltage measurement: Connecting a measurement device via test socket on the meter side can only be performed after disconnection is complete (measuring point).



Marking via WMB Multi markers or marking strips.



Additional commoning option on the transformer side

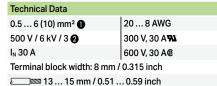


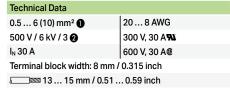
Multipole switching via snap-on type, transparent (locking) cover for disconnect links.



# Disconnect/Test Terminal Block, Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; for Current and Voltage Transformer Circuits

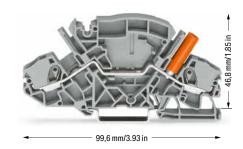
6 mm<sup>2</sup>; 2007 Series







99.6 mm/3.92 in



2-conductor disconnect/test terminal block; e.g., current transformer circuits; with circuit jumper slot; with touch-proof test sockets; for 4 mm  $\emptyset$  test plugs

 Color
 Item No.
 Pack. Unit

 O gray
 2007-8821
 20

Disconnect/test terminal block; e.g., for voltage transformer circuits; with touch-proof test sockets; for  $4\ mm\ \emptyset$  test plugs

 Item No.
 Pack. Unit
 Color

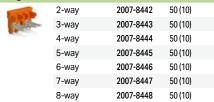
 2007-8811
 20
 gray

2-conductor through terminal block; with touch-proof test socket; for 4 mm Ø test plugs

Color	Item No.	Pack. Unit
gray	2007-8801	20
blue	2007-8804	20

# Accessories; item-specific

Ajacent jumper for switching lever; insulated;  $I_{\text{\tiny N}}$  30 A; orange



Accessories; 2007 Series

Appropriate marking systems: WMB/Marking strips

End and separator plate; 1.5 mm thick; without lock-out seal option

orange 2007-8892 50 (10)



End and separate	or plate; 1.5 mm thick	; with l	ock-out seal
option			
			=0 (10)

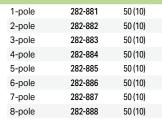
-	orange	2007-8894	50 (10)
	gray	2007-8893	50 (10)

Lock-out device; for disconnect link				
	yellow	2007-8899	100 (20)	

Interlocking link; mechanically locks multiple links; 1  $\mbox{m}$  long

transparent	210-254	1

Locking cover; mechanically locks multiple links; trans-	
parent	



iumper; insulated; I <sub>N</sub> 30 A; orange				
Id	2-way	282-432	50 (10)	
	3-way	282-433	50 (10)	
10-11	4-way	282-434	50 (10)	
	5-way	282-435	50 (10)	
	6-way	282-436	50 (10)	
	7-way	282-437	50 (10)	
	8-way	282-438	50 (10)	
	9-way	282-439	50 (10)	
	10-way	282-440	50 (10)	
lumper with safety lid; insulated; I <sub>N</sub> 30 A; orange				

amper with safety lid, insulated, in 50 A, orange				
11 11	2-way	282-432/100-000	50 (10)	
	3-way	282-433/100-000	50 (10)	
	4-way	282-434/100-000	50 (10)	
umper; insulated; I <sub>№</sub> 30 A; orange				

nper; insu	lated; I <sub>N</sub> 30 A; or	ange	
F	1-3	282-433/011-000	50 (10
	1-3-5	282-435/011-000	50 (10
H-n	1-3-4-5	282-435/300-000	50 (10
	1-2-4-6	282-436/301-000	50 (10
	1-3-5-7	282-437/011-000	50 (10
	1-4-7	282-437/012-000	50 (10
	1-2-5-8	282-438/300-000	50 (10
	1-4-7-8	282-438/301-000	50 (10

282-439/011-000

50 (10

1-3-5-7-9

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow 2006-115 100 (25)



WMB marking card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm

stretchable 5 ... 5.2 mm plain 793-5501 5

WMB marking card; 10 strips with 10 markers/card; stretchable 5  $\dots$  5.2 mm; yellow

k/I (50x) 794-5553/000-002 5

WMB marking card; 10 strips with 10 markers/card;

WMB marking card; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm; blue

U/V (50x) 794-5554/000-006

## **Technical Data**

0.5 ... 6 (10) mm<sup>2</sup>

20 ... 8 AWG

Terminal block width: 8 mm / 0.315 inch

2 13 ... 15 mm / 0.51 ... 0.59 inch



Conductor range: 0.5 ... 10 mm² "s+f-st"; Push-in termination: 2.5 ... 10 mm² "s" and 2.5 ... 6 mm² "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

500 V = rated voltage6 kV = rated impulse voltage3 = pollution degree

Please observe the application notes: Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



Marking via WMB Multi markers or marking strips.

2-conductor ground terminal block; with touch-proof test socket; for 4 mm  $\emptyset$  test plugs

Color	Item No.	Pack. Unit
green-yellow	2007-8807	20



Lock-out prevents accidental operation of disconnect link.



Lock-out snaps into one of two notched positions.



Interlocking link mechanically locks multiple links for multipole switching applications.



A lock-out seal can be used on the disconnect link in operating position I in combination with an end and separator plate (Item No. 2007-8893 or Item No. 2007-8894).

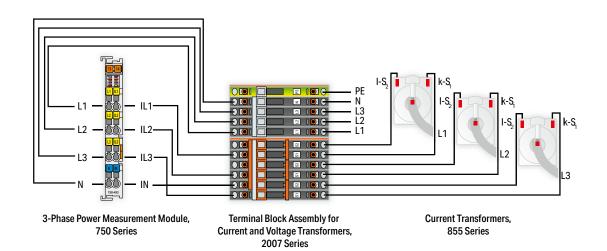


# Terminal Block Assembly TOPJOB® S; for Current and Voltage Transformers 6 (10) mm²; 2007 Series





Item No. for 2007-8873 Designation	Quantity
249-117	2
Screwless end stop; 10 mm wide	
282-882	3
Locking cover; mechanically locks multiple links, 2-pole	
282-884	1
Locking cover; mechanically locks multiple links, 4-pole	
2007-8442	3
Circuit jumper; insulated; 2-way	
2007-8807	1
2-conductor ground terminal block; with touch-proof test socket; for 4 mm Ø	
test plugs	
2007-8811	4
2-conductor disconnect/test terminal block; with touch-proof test sockets; for 4 mm Ø test plugs	
2007-8821	6
2-conductor disconnect/test terminal block; with touch-proof test sockets; for	
4 mm Ø test plugs	
2007-8892	2
End and separator plate; 1.5 mm thick; without lock-out seal option	
2009-115	21
WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 5.2 mm stretchable	markers
282-435/011-000 Jumper: insulated: 1-3-5	1



Assembly width incl. end stop: 11.2 cm





Item No. for 2007-8876	Quantity
Designation	
249-117	2
Screwless end stop; 10 mm wide	
282-369	1
Collective jumper carrier; for DIN-35 rail; compatible with jumpers for transverse switching terminal block (282-811) and longitudinal switching disconnect terminal block (282-821)	
282-882	3
Locking cover; mechanically locks multiple links, 2-pole	
2007-8442	3
Circuit jumper; insulated; 2-way	
2007-8821	6
2-conductor disconnect/test terminal block; with touch-proof test sockets; for 4 mm Ø test plugs	
2007-8892	1
End and separator plate; 1.5 mm thick; without lock-out seal option	
2009-115	12
WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 5.2 mm stretchable	markers
282-435/011-000	1
Jumper; insulated; 1-3-5	
Assembly width incl. end stop: 8.5 cm	



137

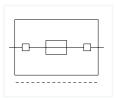
# Fuse Plug TOPJOB® S on Carrier Terminal Block 2.5 (4) mm<sup>2</sup> 2004 Series

**Technical Data** 

250 V / I<sub>N</sub> 6.3 A

Plug width: 6.1 mm / 0.24 inch





Fuse plug with pull-tab; for 5 x 20 mm glass cartridge

Electrical ratings are given by the fuse.

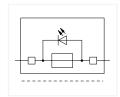
Color	Item No.	Pack. Unit
○ grav	2004-911	50

### **Technical Data**

250 V /  $I_N$  6.3 A

Plug width: 6.1 mm / 0.24 inch





Fuse plug with pull-tab; for 5 x 20 mm glass cartridge fuses; with indicatior lamp, gray Electrical ratings are given by the fuse and blown fuse

indication. Leakage current in case of a blown fuse: LED 2 mA

		item No.	I don. Offic
$\bigcirc$	12 30 V	2004-911/1000-541	50
$\bigcirc$	30 65 V	2004-911/1000-542 2	50
$\bigcirc$	120 V	2004-911/1000-867	50
$\bigcirc$	230 V	2004-911/1000-836	50



2 65 V / 1,5 kV / 3

Approvals and corresponding ratings, visit www.wago.com

### Accessories; for fuse plugs

Appropriate marking systems: WMB/Marking strips

Double-deck carrier terminal block; 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

L/L

L/N



2002-2961 50

2002-2963

50

Double-deck carrier terminal block; 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



End and intern	nediate plate; 1 r	mm thick	
	orange	2002-2992	100 (25)
	gray	2002-2991	100 (25)

End plate to	or tuse terminal	DIOCKS; 2 mm tr	IICK	
	orange	2002-992	100 (25)	
	gray	2002-991	100 (25)	





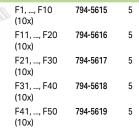
WMB marking card; white; 10 strips with 10 markers/card;

plain 793-5501

5 ... 5.2 mm stretchable

WMB marking card; white; 10 strips with 10 markers/card;

# 5 ... 5.2 mm stretchable



# Accessories; for fuse plugs

Appropriate marking systems: WMB/Marking strips

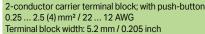
2-conductor carrier terminal block: 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

gray



2002-1661

50





2202-1661

End and intermediate plate;	i mm tnick
	2002 400



2002-1692 100 (25) gray 2002-1691 100 (25)

3-conductor carrier terminal block: 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



2002-1761

3-conductor carrier terminal block; with push-button 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



2202-1761



orange	2002-1792	100 (25)	
gray	2002-1791	100 (25)	

4-conductor carrier terminal block; 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



2002-1861 gray

-conductor carrier terminal block; with push-button

 $0.25\dots2.5$  (4)  $\text{mm}^2$  /  $22\dots12$  AWG Terminal block width: 5.2 mm / 0.205 inch



2202-1861

50

# End and intermediate plate; 1 mm thick

	orange	2002-1892	100 (25)
	gray	2002-1891	100 (25)

2-conductor carrier terminal block; 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



gray

2-conductor carrier terminal block; with push-button 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

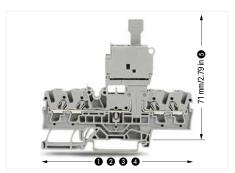


2202-1961 gray

# End and intermediate plate; 1 mm thick

 orange	2002-1992	100 (25)	
gray	2002-1991	100 (25)	

# Fuse Plugs TOPJOB® S on Carrier Terminal Blocks 2.5 (4) mm<sup>2</sup> Technical Information



## Fuse plug dimensions:

- 1 66.1 mm / 2.62 inch for 2002-1661
- 2 76.8 mm / 3.02 inch for 2002-1761
- 3 87.5 mm / 3.45 inch for 2002-1861
- 4 72.9 mm / 2.87 inch for 2002-1961
- 6 with inserted fuse plug



Using fuse plugs with rail-mount terminal blocks for control circuit protection is highly advantageous because the function and wiring levels are separated:

- No additional cost for assembly and wiring
- No risk of accidental contact with live parts when disconnecting the fuse plug
- The fuse plug is completely separated from the carrier terminal block when replacing a fuse – away from current carrying parts
- The fuse plug can be removed by service personnel
- No unintentional reclosing of the circuit by another person
- Quickly exchange a fuse by using a prepared "stand-by plug"

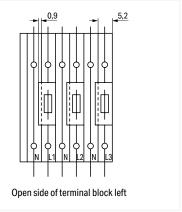
Fuse plug features for quick and safe applications:

- Optional LED indicates blown fuse
- Top-of-unit marking slot provides clear carrier terminal block identification
- Two test slots with touch contacts
- Terminal blocks/plugs provide high-density wiring in a width of just 5.2/6.1 mm
- May be used as a disconnect plug in combination with a shorting link

### Glass cartridge fuses 5 x 20

Series Item No.	Overload and short circuit protection		Short circuit protection only	
	Individual argmt.	Group argmt.	Individual argmt.	Group argmt.
	Fuse terminal blocks			
2004-911 2004-911/	1.6 W	1.6 W	2.5 W	2.5 W

When selecting glass cartridge fuses, make sure that the maximum power loss listed below is not exceeded. The power loss is determined according to IEC or EN 60947-7-3/VDE 0611-6 at 23°C. The temperature rise of the terminal blocks must be checked according to their application and mounting. Higher ambient temperatures represent an additional impact on fuse cartridges. Therefore, in such applications, the rated current must be reduced if necessary. More details are available from the manufacturers.



# Please note:

The extra width of the plug (6.1 mm compared to 5.2 mm for carrier terminal blocks) must be compensated for with intermediate plates (1 mm) when building an assembly of carrier terminal blocks equipped with fuse plugs.

# Fuse Plug TOPJOB® S on Carrier Terminal Block 6 (10) mm<sup>2</sup> 2006 Series

**Technical Data** 800 V / I<sub>N</sub> 10 A

Plug width: 7.4 mm / 0.291 inch

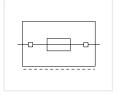
**Technical Data** 800 V / I<sub>N</sub> 10 A Plug width: 7.4 mm / 0.291 inch **Technical Data** 800 V / I<sub>N</sub> 10 A

Plug width: 10.4 mm / 0.409 inch





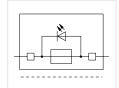




Fuse plug with pull-tab Electrical ratings are given by the fuse.

for 5 x 20 mm glass cartridge fuse

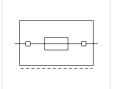
Color	Item No.	Pack. Unit
gray	2006-911	25



Fuse plug with pull-tab; with indicatior lamp; gray Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED

for 5 x 20 mm glass cartridge fuse

	item No.	Pack. Unit
○ 1230 V	2006-911/1000-541	25
○ 30 65 V	2006-911/1000-542 2	25
○ 230 V	2006-911/1000-836	25



Fuse plug with pull-tab Electrical ratings are given by the fuse.

for 1/4" x 11/4" glass cartridge fuse

Color	Item No.	Pack. Unit
gray	2006-931/099-000	25

for 5 x 30 mm glass cartriage fuse			
gray 2006-921	25		

for 1/4" x 11/4" glass car	tridge fuse	
□ grav	2006-931	25

for 5 x 30 mm glass cartridge fuse			
○ 1230 V	2006-921/1000-541	25	
○ 30 65 V	2006-921/1000-542 2	25	
O 230 V	2006-921/1000-836	25	
○ 380 500 V	2006-921/1000-859	25	

for 1/4" x 11/4" glass cartridge fuse			
○ 1230 V	2006-931/1000-541	25	
○ 120 V	2006-931/1000-867 2	25	
○ 230 V	2006-931/1000-836	25	
O 200 F00 V	2006 021/1000 050	25	

Accessories;	item-specif	ic	
Intermediate	plate; 2.9 mr	m thick	
	orange	2006-1696	100 (25)
	gray	2006-1695	100 (25)

Accessories; item-specific 2006-1692 100 (25) 2006-1691 100 (25)

Accessories; item-specific			
End and intermediate plate; 1 mm thick			
	orange	2006-1692	100 (25)
	gray	2006-1691	100 (25)

Intermediate	Intermediate plate; 2.9 mm thick		
	orange	2006-1696	
	gray	2006-1695	

Accessories; for fuse plugs

gray

2006-992 100 (25) orange 2006-991 100 (25)

2-conductor carrier terminal block; 0.5 ... 6 (10) mm<sup>2</sup> / 20 ... 8 AWG Terminal block width: 7.5 mm / 0.295 inch



Appropriate marking systems: WMB/Marking strips

Shorting link; 5 x 20 mm; allows the fuse plug to be used as a disconnect plug

250 (25)  $I_N 6.3 A$ 281-503

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable 793-5501

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

F1,, F10 (10x)	794-5615	5
F11,, F20 (10x)	794-5616	5
F21,, F30 (10x)	794-5617	5
F31,, F40 (10x)	794-5618	5
F41,, F50 (10x)	794-5619	5

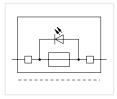


## **Technical Data**

800 V / I<sub>N</sub> 10 A

Plug width: 10.4 mm / 0.409 inch





Fuse plug with pull-tab; with indicatior lamp; gray Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED 2 mA

### for 1/4" x 11/4" glass cartridge fuse

Accessories; item-specific Intermediate plate; 2.9 mm thic

		Item No.	Pack. Unit
	○ 12 30 V	2006-931/1099-541	25
	○ 30 65 V	2006-931/1099-542 2	25
	O 230 V	2006-931/1099-836	25
	380 500 V	2006-931/1099-859	25

2006-1696

2006-1695

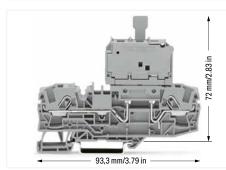
100 (25)

100 (25)

## 10 30 V / 0,8 kV / 3

2 65 V / 1,5 kV / 3

Approvals and corresponding ratings, visit www.wago.com



Using fuse plugs with rail-mount terminal blocks for control circuit protection is highly advantageous because the function and wiring levels are separated:

- · No additional cost for assembly and wiring
- No risk of accidental contact with live parts when disconnecting the fuse plug
- The fuse plug is completely separated from the carrier terminal block when replacing a fuse – away from current carrying parts
- The fuse plug can be removed by service personnel
- No unintentional reclosing of the circuit by another person
- Quickly exchange a fuse by using a prepared "stand-by plug"

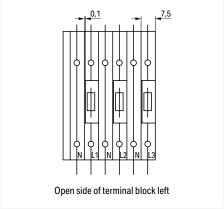
Fuse plug features for quick and safe applications:

- Optional LED indicates blown fuse
- Top-of-unit marking slot provides clear carrier terminal block identification
- Two test slots with touch contacts
- Terminal blocks/plugs provide high-density wiring in a width of just 7.5/7.4 (10.4) mm
- May be used as a disconnect plug in combination with a shorting link

# Glass cartridge fuses

Series Item No.		Overload and short circuit protection		Short circuit protection only			
		Individual argmt.	Group argmt.	Individual argmt.	Group argmt.		
		Fused disconnect terminal blocks					
2006-911	7.5	1.6 W	1.6 W	2.5 W	2.5 W		
2006-921	7.5	1.6 W	1.6 W	2.5 W	2.5 W		
2006-931	7.5	1.6 W	1.6 W	2.5 W	2.5 W		
2006-931 /099 2006-931	10.4	2.5 W	2.5 W	2.5 W	2.5 W		
/1099	10.4	2.5 W	2.5 W	2.5 W	2.5 W		

When selecting glass cartridge fuses, make sure that the maximum power loss listed below is not exceeded. The power loss is determined according to IEC or EN 60947-7-3/VDE 0611-6 at 23°C. The temperature rise of the terminal blocks must be checked according to their application and mounting. Higher ambient temperatures represent an additional impact on fuse cartridges. Therefore, in such applications, the rated current must be reduced if necessary. More details are available from the manufacturers.



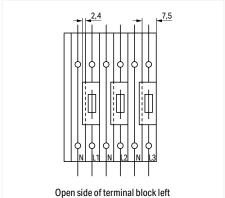
When using 10.4 mm wide plugs, please note: The extra width of the plug (10.4 mm compared to 7.5 mm for carrier terminal blocks) must be compensated for with intermediate plates (2.9 mm) when building an assembly of carrier terminal blocks equipped with fuse plugs.



Pivoting fuse holder with spare fuse holder



The end plate ensures that the fuse can only be removed when the fuse plug is pulled out.



When using 10.4 mm wide plugs, please note: The extra width of the plug (10.4 mm compared to 7.5 mm for carrier terminal blocks) must be compensated for with intermediate plates (2.9 mm) when building an assembly of carrier terminal blocks equipped with fuse plugs.



# Sensor Terminal Blocks and Actuator Terminal Blocks TOPJOB® S 2000 Series

# Description and Installation



Commoning (signal level):

Commoning the signal level with push-in type jumper bars (2000 Series). Models with an LED can only be commoned in one jumper slot.

Test Plug Adapters can be used in all jumper slots.



Upper level: two independent signal pathways



Commoning (potential level): Commoning potential levels via push-in type jumper bars (2000 Series).



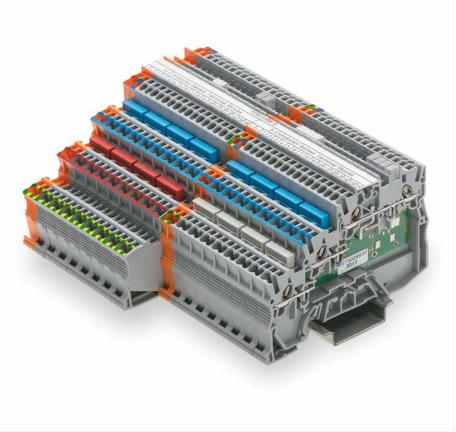
Power supply:

Orange supply terminal block of same profile from both the cabinet and sensor sides

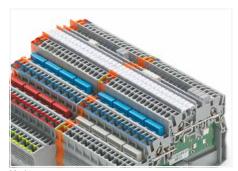


Marking:

Marking strips (Item No. 2009-110) – from the top or the side

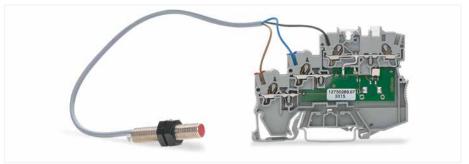


 $Terminal\ block assembly\ with\ 4-conductor\ sensor\ terminal\ blocks\ and\ 3-conductor\ actuator\ terminal\ blocks$ 



Marking:

3.5 mm WMB markers (Item No. 793-35xx) from the top or the side – additional marking option via marker carrier



3-conductor sensor LED terminal block with a connected sensor





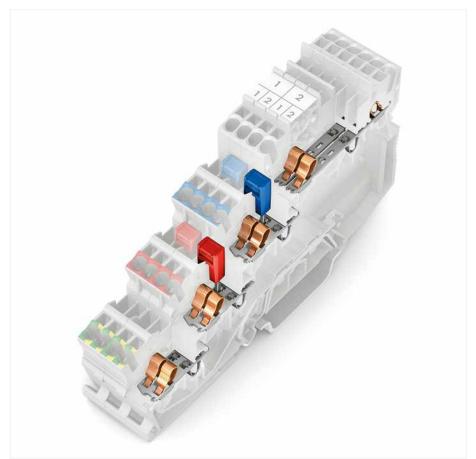
Commoning (potential level): Continuous commoning in the potential levels via push-in type jumper bars for even pole numbers (2000 Series)



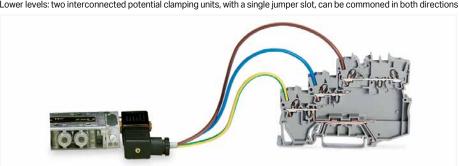
 $\textbf{Potential levels:} \ two \ adjacent \ commoning \ options \ on \ a$ current bar



4-conductor sensor terminal block with ground contact



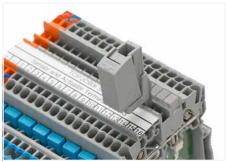
Upper level: two independent signal pathways, in 3.5 mm spacing per pole, with a dual jumper slot Lower levels: two interconnected potential clamping units, with a single jumper slot, can be commoned in both directions



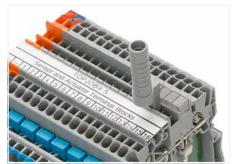
3-conductor actuator LED terminal block with a connected actuator



Ground commoning:
For sensor and actuator terminal blocks without ground connection to the DIN-rail, the ground connection can be performed by commoning to the terminal block with a ground foot.



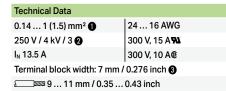
Testing via testing tap (Item No. 2009-182) (up to max.

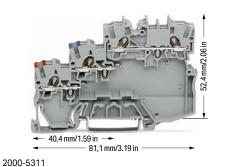


Testing via test plug adapter (Item No. 2009-174) (up to max. 42 V).

### 3-Conductor Sensor Terminal Block TOPJOB® S

### 1 (1.5) mm<sup>2</sup>; 2000 Series





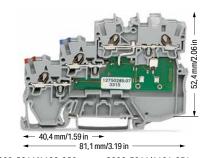
\$ <sub>1</sub> O	OS <sub>1</sub>
<b>-</b>	
+	

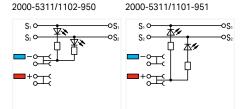
3-conductor sensor terminal block

Color	Item No.	Pack. Unit
gray	2000-5311	50

#### **Technical Data** 0.14 ... 1 (1.5) mm<sup>2</sup> 24 ... 16 AWG 24 VDC 24 V, 15 A 🗫 I<sub>N</sub> 13.5 A 24 V, 10 A@ Terminal block width: 7 mm / 0.276 inch 3

□ 9 ... 11 mm / 0.35 ... 0.43 inch





3-conductor sensor terminal block; yellow LED; for PNP			
(high-side) switching sensors			
Color	Item No.	Pack. Unit	

2000-5311/1102-950 50

3-conductor sensor terminal block; yellow LED; for NPN (low-side) switching sensors		
gray	2000-5311/1101-951	50

Conductor range: 0.14 ... 1.5 mm2 "s+f-st"; Push-in termination: 0.5 ... 1.5 mm<sup>2</sup> "s" and 0.5 ... 0.75 mm² "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

2 250 V = rated voltage 4 kV = rated impulse voltage 3 = pollution degree

3 3.5 mm spacing per signal (2 x 3.5 mm = 7 mm)

The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Please observe the application notes: Jumpers, from page 182

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; for 3-conductor terminal blocks

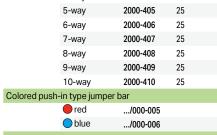
Appropriate marking systems: WMB/WMB Inline/Marking strips

End and intermediate plate; 1 mm thick; for 3-conductor terminal blocks



2000-5391 100 (25)

Push-in type j	umper bar; insula	ateu; IN 13.5 A;	light gray
Contract of the Contract of th	2-way	2000-402	25
111	3-way	2000-403	25
	4-way	2000-404	25
	5-way	2000-405	25
	6-way	2000-406	25
	7-way	2000-407	25
	8-way	2000-408	25
	9-way	2000-409	25
	10	0000 440	0.5





	1109	2000-433	23
	1 to 10	2000-440	25
Double-deck	marker carrier; p	oivoting	
apo	gray	2000-121	50 (25)

Marking strip; plain; 11 mm wide; 50 m		vide; 50 m reel	
	white	2009-110	•

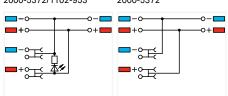
WMB marking card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width plain

793-3501

Operating tool with a partially insulated shaft; type 1; (2.5



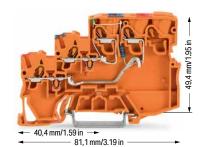


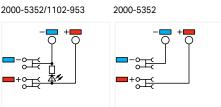


3-conductor sens	or LED supply term	inal block; green
LED; 24 VDC		
Color	Itam No	Pack Unit

Color	Item No.	Pack. Unit
orange	2000-5372/1102-953	15

3-conductor sensor supply terminal block; max. 250 V		
Orange	2000-5372	15



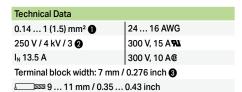


3-conductor sensor LED supply terminal block; green LED; 24 VDC control panel side: 2.5 (4) mm²; max. 28 A			
Color Item No. Pack. U			
orange	2000-5352/1102-953	50	

3-conductor sensor si	upply terminal block; r	nax. 250 V;
control panel side: 2.5	(4) mm <sup>2</sup> ; max. 28 A	
orange	2000-5352	50

# 4-Conductor Sensor Terminal Block TOPJOB® S

### 1 (1.5) mm<sup>2</sup>; 2000 Series





2000-5417	
S <sub>1</sub> O	—oS₁
S <sub>2</sub> O	—-oS₂
PE⊙ <del>C</del> <del>‡</del>	

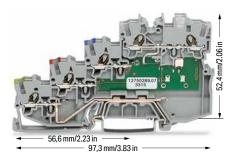
4-conductor sensor terminal block; with ground connection

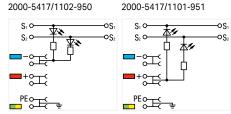
Color	Item No.	Pack. Unit
	2000-5417	50



0.14 ... 1 (1.5) mm<sup>2</sup> 24 ... 16 AWG 24 VDC 24 V, 15 A 🗫 I<sub>N</sub> 13.5 A 24 V, 10 A@

Terminal block width: 7 mm / 0.276 inch 3 □■9 ... 11 mm / 0.35 ... 0.43 inch

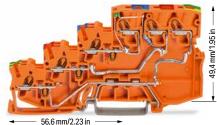


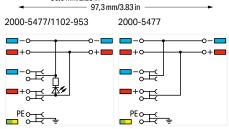


conductor sensor LED terminal block; yellow LED; for PNP (high-side) switching sensors; with ground

Color	Item No.	Pack. Unit
gray	2000-5417/1102-950	50

4-conductor sensor terminal block; yellow LED; for NPN (low-side) switching sensors; with ground connection 2000-5417/1101-951 50 gray





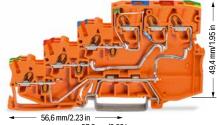
56.6 mm/2.23 in

4-conductor sensor LED supply terminal block; green LED; 24 VDC; with ground connection

Color	Item No.	Pack. Unit
orange	2000-5477/1102-953	15

4-conductor sensor supply terminal block; max. 250 V; internally commoned; with ground connection

2000-5477 orange



2000-5457

2000-5457/1102-953

3-conductor sensor LED supply terminal block; green LED; 24 VDC control panel side: 2.5 (4) mm<sup>2</sup>; max. 28 A

Color	Item No.	Pack. Unit
orange	2000-5457/1102-953	15

4-conductor sensor supply terminal block; max. 250 V; with ground connection; control panel side: 2.5 (4) mm²; 2000-5457

Conductor range: 0.14 ... 1.5 mm2 "s+f-st"; Push-in termination: 0.5 ... 1.5 mm<sup>2</sup> "s" and 0.5 ... 0.75 mm<sup>2</sup> "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

250 V = rated voltage 4 kV = rated impulse voltage 3 = pollution degree

3.5 mm spacing per signal (2 x 3.5 mm = 7 mm)

The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Please observe the application notes: Jumpers, from page 174

Approvals and corresponding ratings, visit www.wago.com

#### Accessories: for 4-conductor terminal blocks

Appropriate marking systems: WMB/WMB Inline/Marking strips

End and intermediate plate; 1 mm thick; for 4-conductor



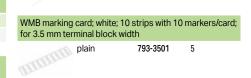
Push-in type ji	umper bar; insula	ated; I <sub>N</sub> 13.5 A;	light gray
CO CLASS	2-way	2000-402	25
111	3-way	2000-403	25
100000	4-way	2000-404	25
	5-way	2000-405	25
	6-way	2000-406	25
	7-way	2000-407	25
	8-way	2000-408	25
	9-way	2000-409	25
	10-way	2000-410	25

Colored push-in type jumper bar				
red	/000-005			
blue	/000-006			
Ovellow-green	/000-010			

	yellow-green	/000-018	
Push-in type	jumper bar; insul	lated; I <sub>N</sub> 13.5 A	; light gray
Part of the last	1 to 3	2000-433	25
1	1 to 4	2000-434	25
	1 to 5	2000-435	25
	1 to 6	2000-436	25
	1 to 7	2000-437	25
	1 to 8	2000-438	25
	1 to 9	2000-439	25
	1 to 10	2000-440	25
Double-dock marker carrier; piveting			

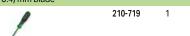
	1 10 0	2000 400	20
	1 to 9	2000-439	25
	1 to 10	2000-440	25
Double-deck	marker carrier; p	oivoting	
po	gray	2000-121	50 (25)
Marking strip;	plain; 11 mm wid	de; 50 m reel	

white



2009-110

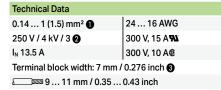
Operating tool with a partially insulated shaft; type 1; (2.5 x 0.4) mm blade

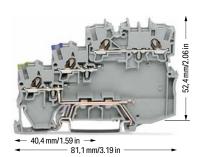


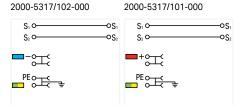


## 3-Conductor Actuator Terminal Block TOPJOB® S

### 1 (1.5) mm<sup>2</sup>; 2000 Series







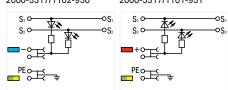
3-conductor actuator terminal block; for PNP (high-side) switching actuators; with ground connection Color Item No. Pack. Unit 2000-5317/102-000 50 gray

3-conductor actuator terminal block; for NPN (low-side) switching actuators; with ground connection 2000-5317/101-000

**Technical Data** 0.14 ... 1 (1.5) mm<sup>2</sup> 24 ... 16 AWG 24 VDC 24 V, 15 A 🕦 I<sub>N</sub> 13.5 A 24 V, 10 A@

Terminal block width: 7 mm / 0.276 inch 3 □ 9 ... 11 mm / 0.35 ... 0.43 inch





-conductor actuator terminal block; yellow LED; for PNP (high-side) switching actuators; with ground connection Color Item No. Pack. Unit 2000-5317/1102-950 gray 50

3-conductor actuator terminal block; yellow LED; for NPN (low-side) switching actuators; with ground connection 2000-5317/1101-951 50

Conductor range: 0.14 ... 1.5 mm2 "s+f-st"; Push-in termination: 0.5 ... 1.5 mm<sup>2</sup> "s" and 0.5 ... 0.75 mm² "insulated ferrules; 10 mm' Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

2 250 V = rated voltage 4 kV = rated impulse voltage 3 = pollution degree

3.5 mm spacing per signal (2 x 3.5 mm = 7 mm)

The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Please observe the application notes: Jumpers, from page 182

Approvals and corresponding ratings, visit www.wago.com

#### Accessories: for 3-conductor terminal blocks

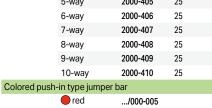
Appropriate marking systems: WMB/WMB Inline/Marking strips

End and intermediate plate; 1 mm thick; for 3-conductor terminal blocks

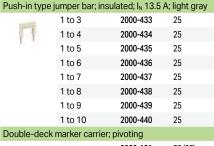


2000-5391 100 (25) gray







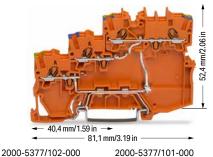


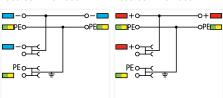
po	gray	2000-121	50 (25)	
Marking strip	; plain; 11	mm wide; 50 m reel		
	white	2009-110	1	

WMB marking card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width

plain

Operating tool with a partially insulated shaft; type 1; (2.5 x 0.4) mm blade 210-719

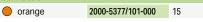


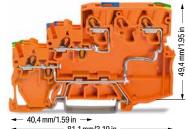


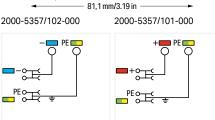
3-conductor actuator supply terminal block; max. 250 V; for PNP (high-side) switching actuators; with ground connection; internally commoned

Color	Item No.	Pack. Unit
orange	2000-5377/102-000	15

3-conductor actuator supply terminal block; max. 250 V; for NPN (low-side) switching actuators; with ground connection







3-conductor actuator supply terminal block; max. 250 V; control panel side: 2.5 (4) mm2; max. 28 A; for PNP (highide) switching actuators; with ground connection

	0		
Color		Item No.	Pack. Unit
orange		2000-5357/102-000	15

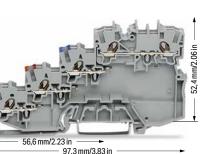
3-conductor actuator supply terminal block; max. 250 V; control panel side: 2.5 (4) mm2; max. 28 A; for NPN (lowside) switching actuators; with ground connection

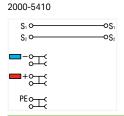
orange	2000-5357/101-000	15	

### 4-Conductor Sensor Terminal Block and 3-Conductor Actuator Terminal Block TOPJOB® S 1 (1.5) mm<sup>2</sup>; 2000 Series









4-conductor sensor terminal block; with ground via push-in type jumper bar

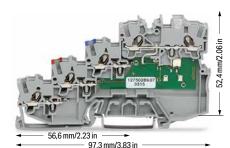
Color	Item No.	Pack. Unit
gray	2000-5410	50

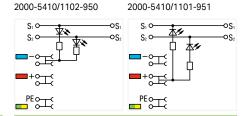
**Technical Data** 

0.14 ... 1 (1.5) mm<sup>2</sup> 24 ... 16 AWG 24 VDC 24 V, 15 A 🗫 I<sub>N</sub> 13.5 A 24 V, 10 A@

Terminal block width: 7 mm / 0.276 inch 3

□ 9 ... 11 mm / 0.35 ... 0.43 inch



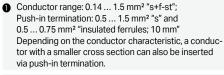


conductor sensor LED terminal block; yellow LED; for PNP (high-side) switching sensors; with ground via push-in type jumper bar

Color	Item No.	Pack. Unit
gray	2000-5410/1102-950	50

4-conductor sensor LED terminal block; yellow LED; for NPN (low-side) switching sensors; with ground via push-in type jumper bar

2000-5410/1101-951 50



250 V = rated voltage 4 kV = rated impulse voltage 3 = pollution degree

3.5 mm spacing per signal (2 x 3.5 mm = 7 mm)

The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Please observe the application notes: Jumpers, from page 182

Approvals and corresponding ratings, visit www.wago.com

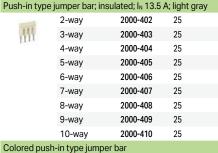
#### Accessories: for 4-conductor terminal blocks

Appropriate marking systems: WMB/WMB Inline/Marking strips

100 (25)

End and intermediate plate; 1 mm thick; for 4-conductor terminal blocks





Colored push-in type jumper bar		
red	/000-005	
blue	/000-006	



1 to 6 2000-436 25 2000-437 25 1 to 7 1 to 8 2000-438 25 1 to 9 2000-439 25 2000-440 1 to 10 25

Double-deck marker carrier; pivoting 2000-121 50 (25)

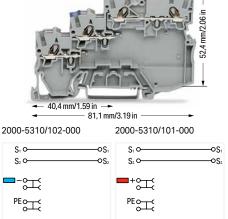


WMB marking card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width

plain 793-3501

Operating tool with a partially insulated shaft; type 1; (2.5 x 0.4) mm blade

210-719



3-conductor actuator terminal block; for PNP (high-side) switching actuators; with ground via push-in type jumper

Color	Item No.	Pack. Unit
gray	2000-5310/102-000	50

3-conductor actuator terminal block; for NPN (low-side) switching actuators; with ground via push-in type jumper

gray	2000-5310/101-000	50	



- 0	1, 1 111111	1/3.19111	
2000-5310/1102-950		2000-5310/1101-951	
S. O	○S₁ ○S₂	Si O T	—oS₁ —oS₂

3-conductor actuator terminal block; yellow LED; for PNP (high-side) switching actuators; with ground via push-in

Color	Item No.	Pack. Unit
gray	2000-5310/1102-950	50

3-conductor actuator terminal block; yellow LED; for NPN (low-side) switching actuators; with ground via push-in

type jumper bar		
gray	2000-5310/1101-951	50



# Sensor Terminal Blocks and Actuator Terminal Blocks TOPJOB® S; with Pluggable Signal Level 2020 Series

### Description and Installation



Snap individual terminal blocks onto the DIN-rail and slide together.



Separate terminal block assembly and slide individual terminal blocks laterally using an operating tool.



Labeling terminal blocks via marking strips (Item No. 2009-110) or 3.5 mm wide WMB markers (Item No. 793-35xx) – from the top or the side.



Removing a female plug via conductor bundle provided with strain relief plate.





Slide the locking lever into position.



Testing via testing tap (Item No. 2009-182) or test plug adapter (Item No. 2009-174) (up to max. 42 V).



Insert coding pin into the corresponding slot and twist it off.

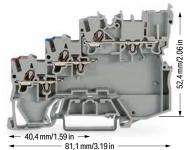


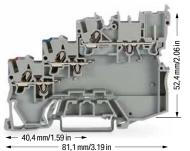
Remove the coding finger using a cutting tool.



### 3-Conductor Sensor Terminal Block TOPJOB® S; with Pluggable Signal Level 1 (1.5) mm<sup>2</sup>; 2020 Series

#### **Technical Data** 0.14 ... 1 (1.5) mm<sup>2</sup> 24 ... 16 AWG 250 V / 4 kV / 3 2 300 V, 15 A**W** I<sub>N</sub> 13.5 A 300 V, 10 A@ Terminal block width: 7 mm / 0.276 inch 3 □ 9 ... 11 mm / 0.35 ... 0.43 inch





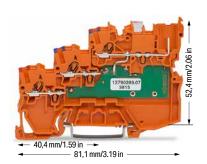
2020-3311	
S <sub>1</sub> O	<b>-</b> \$1
S <sub>2</sub> O	<b>-</b> S <sub>2</sub>
<b>-</b>	
<b></b> +₩	

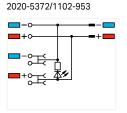
3-conductor sensor tellevel	rminal block; with pluggable signal

Color	Item No.	Pack. Unit
gray	2020-5311	50

2020-5311

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load. An appropriate end plate must be applied to the carrier terminal blocks after each female plug.





3-conductor sensor LED supply terminal block; green
LED: 24 VDC: with pluggable signal level

LED; 24 VDC; with pluggable signal level					
Color	Item No.	Pack. Unit			
orange	2020-5372/1102-953	15			

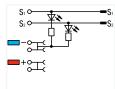


□ 9 ... 11 mm / 0.35 ... 0.43 inch

40,4 mm/1.59 in

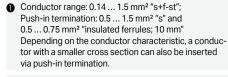
2020-5311/1102-950

gray



3-conductor sensor terminal block; yellow LED; for PNP (high-side) switching sensors; with pluggable signal level Color Item No. Pack. Unit

2020-5311/1102-950



2 250 V = rated voltage 4 kV = rated impulse voltage 3 = pollution degree

3.5 mm spacing per signal (2 x 3.5 mm = 7 mm)

The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Please observe the application notes: Jumpers, from page 182

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; for 3-conductor terminal blocks

Appropriate marking systems: WMB/WMB Inline/Marking strips

End and intermediate plate; 1 mm thick; for 3-conductor



gray 2020-5391 100 (25)

Push-in type jumper bar; insulated; I <sub>N</sub> 13.5 A; light gray					
CO CLASS	2-way	2000-402	25		
111	3-way	2000-403	25		
1,1,1	4-way	2000-404	25		
	5-way	2000-405	25		
	6-way	2000-406	25		
	7-way	2000-407	25		
	8-way	2000-408	25		
	9-way	2000-409	25		
	10-way	2000-410	25		
Colored push-in type jumper har					

	8-way	2000-408	25
	9-way	2000-409	25
	10-way	2000-410	25
lored push-	in type jumper b	oar	
	red	/000-005	
	blue	/000-006	

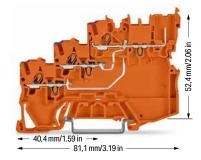
	Dide	/000-000	
Push-in type j	umper bar; insul	ated; I <sub>N</sub> 13.5 A;	light gray
THE REAL PROPERTY.	1 to 3	2000-433	25
. 1	1 to 4	2000-434	25
	1 to 5	2000-435	25
	1 to 6	2000-436	25
	1 to 7	2000-437	25
	1 to 8	2000-438	25
	1 to 9	2000-439	25
	1 to 10	2000-440	25
Carrier with 6 coding pins; for coding female plugs			

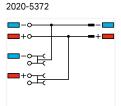
Carrier with 6 coding pins; for coding female plugs						
1	orange	2020-100	100 (25)			
-						

1-conducto	or female plug			
	gray	2020-102	100	
2-conducto	or female plug			

	gray	20	)20-202		100	

lest plug adapter; for 4 mm Ø test plug; I <sub>N</sub> 10 A						
gra	y 200	09-174	100 (25)			





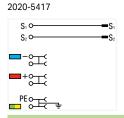
3-conductor sensor si internally commoned;	11.7	
0 1	II NI	D 1 11 11

Color	Item No.	Pack. Unit
orange	2020-5372	50

# 4-Conductor Sensor Terminal Block TOPJOB® S; with Pluggable Signal Level 1 (1.5) mm²; 2020 Series

#### 



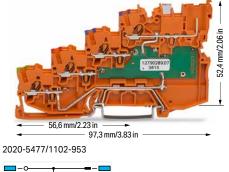


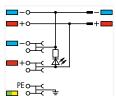
4-conductor sensor terminal block; with ground connection; with pluggable signal level

Color	Item No.	Pack. Unit
gray	2020-5417	50

#### Note:

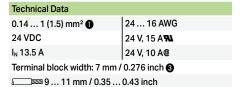
According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load. An appropriate end plate must be applied to the carrier terminal blocks after each female plug.





4-conductor sensor LED supply terminal block; green LED; 24 VDC; with ground connection; with pluggable signal level

Color	Item No.	Pack. Unit
orange	2020-5477/1102-953	15





4-conductor sensor terminal block; yellow LED; for PNP (high-side) switching sensors; with ground connection; with pluggable signal level

Color	Item No.	Pack. Unit
gray	2020-5417/1102-950	50

- Conductor range: 0.14 ... 1.5 mm² "s+f-st"; Push-in termination: 0.5 ... 1.5 mm² "s" and 0.5 ... 0.75 mm² "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 250 V = rated voltage
   4 kV = rated impulse voltage
   3 = pollution degree
- 3.5 mm spacing per signal (2 x 3.5 mm = 7 mm) Note: The double spacing per pole of this terminal block

The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Please observe the application notes: Jumpers, from page 182

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; for 4-conductor terminal blocks

Appropriate marking systems: WMB/WMB Inline/Marking strips

# End and intermediate plate; 1 mm thick; for 4-conductor terminal blocks



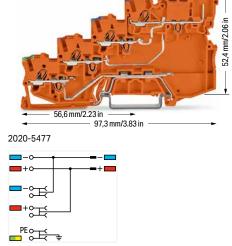






1-conducto	r female plug			
	gray	2020-102	100	
2-conducto	r female plug			
Pole	gray	2020-202	100	

Test plug a	dapter; for 4 r	nm Ø test plug; I <sub>N</sub> '	10 A
	gray	2009-174	100 (25)
- 7			



4-conductor sensor supply terminal block; max. 250 V;

internally commoned; with ground connection; with

Item No.

2020-5477

Pack. Unit

50

pluggable signal level

Color

orange



### 3-Conductor Actuator Terminal Block TOPJOB® S; with Pluggable Signal Level 1 (1.5) mm<sup>2</sup>; 2020 Series

#### **Technical Data** 0.14 ... 1 (1.5) mm<sup>2</sup> 24 ... 16 AWG 250 V / 4 kV / 3 2 300 V, 15 A**W** I<sub>N</sub> 13.5 A 300 V, 10 A@ Terminal block width: 7 mm / 0.276 inch 3



2020-5317/102-000

3-conductor actuator terminal block; for PNP (high-side) switching actuators; with ground connection; with pluggable signal level

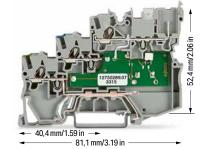
81.1 mm/3.19 in

Color	Item No.	Pack. Unit
gray	2020-5317/102-000	50

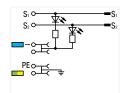
# **Technical Data**

0.14 ... 1 (1.5) mm<sup>2</sup> 24 ... 16 AWG 24 VDC 24 V, 15 A 🗫 I<sub>N</sub> 13.5 A 24 V, 10 A@

Terminal block width: 7 mm / 0.276 inch 3 □2 9 ... 11 mm / 0.35 ... 0.43 inch



2020-5317/1102-950



3-conductor actuator terminal block; yellow LED; for PNP (high-side) switching actuators; with ground connection; with pluggable signal level

Color	Item No.	Pack. Unit
gray	2020-5317/1102-950	50

- Conductor range: 0.14 ... 1.5 mm2 "s+f-st"; Push-in termination: 0.5 ... 1.5 mm<sup>2</sup> "s" and 0.5 ... 0.75 mm<sup>2</sup> "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 250 V = rated voltage 4 kV = rated impulse voltage 3 = pollution degree
- 3.5 mm spacing per signal (2 x 3.5 mm = 7 mm) 0

The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Please observe the application notes: Jumpers, from page 182

Approvals and corresponding ratings, visit www.wago.com

#### Accessories: for 3-conductor terminal blocks

Appropriate marking systems: WMB/WMB Inline/Marking strips

End and intermediate plate; 1 mm thick; for 3-conductor terminal blocks



gray 2020-5391 100 (25)

#### Push-in type jumper bar; insu lated: In 13.5 A: light gray 2-way 2000-402 25 2000-403 3-way 25 4-way 2000-404 25 5-way 2000-405 25 2000-406 25 6-wav 2000-407 25 7-way 2000-408 25 8-way 9-way 2000-409 25 10-way 2000-410 25

#### Colored push-in type jumper red .../000-005

blue .../000-006 Oyellow-green .../000-018

#### Push-in type jumper bar; insulated; I<sub>N</sub> 13.5 A; light gray 1 to 3 2000-433 25

1 to 4 2000-434 25 1 to 5 2000-435 25 1 to 6 2000-436 25 2000-437 25 1 to 7 1 to 8 2000-438 25 1 to 9 2000-439 25 2000-440 25 1 to 10

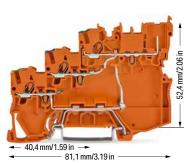
#### Carrier with 6 coding pins; for coding female plugs 100 (25)



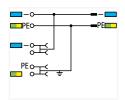
1-conducto	or remaie plug			
	gray	2020-102	100	
2-conducto	or female plug			
	gray	2020-202	100	

Test plug adapter; for 4 mm Ø test plug; I <sub>N</sub> 10 A				
I.	gray	2009-174	100 (25)	

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load. An appropriate end plate must be applied to the carrier terminal blocks after each female plug



2020-5377/102-000



3-conductor actuator supply terminal block; for PNP (high-side) switching actuators; with ground connection; internally commoned; with pluggable signal level

Color	Item No.	Pack. Unit
orange	2020-5377/102-000	15

### Diode Terminal Block, LED Terminal Block TOPJOB® S 1.5 (2.5) mm<sup>2</sup>; 2001 Series

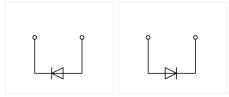
#### **Technical Data** 0.25 ... 1.5 (2.5) mm<sup>2</sup> 22 ... 14 AWG $U_{N}$ 250 V; $U_{RM}$ 1000 V 1N4007 - 0.5 A continuous current Terminal block width: 4.2 mm / 0.165 inch 9 ... 11 mm / 0.35 ... 0.43 inch

**Technical Data** 0.25 ... 1.5 (2.5) mm<sup>2</sup> 22 ... 14 AWG  $U_{N}$  250 V;  $U_{RM}$  1000 V 1N4007 - 0.5 A continuous current Terminal block width: 4.2 mm / 0.165 inch □ 9 ... 11 mm / 0.35 ... 0.43 inch

**Technical Data** 0.25 ... 1.5 (2.5) mm<sup>2</sup> 22 ... 14 AWG **24 VDC** I<sub>F</sub> 0.025 A max. Terminal block width: 4.2 mm / 0.165 inch 9 ... 11 mm / 0.35 ... 0.43 inch







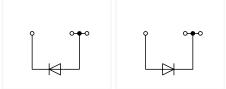
2-conductor diode terminal block; with 1N4007 diode

	Item No.	Pack. Unit
<ul><li>anode right</li></ul>	2001-1211/1000-411	100
<ul><li>anode left</li></ul>	2001-1211/1000-410	100

Other terminal blocks with the same profile:			
Through	2001-1201	Page 40	



2001-1311/1000-411 2001-1311/1000-410



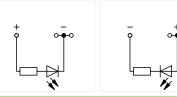
3-conductor diode terminal block; with 1N4007 diode

	Item No.	Pack. Unit
<ul><li>anode right</li></ul>	2001-1311/1000-411	100
anode left	2001-1311/1000-410	100

Other terminal blocks with the same profile:		
Through	2001-1301	Page 40



2001-1321/1000-434 2001-1321/1000-413

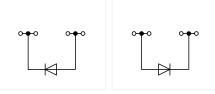


3-conductor LED terminal block; with red LED Notice: This LED terminal block cannot be commoned with push-in type jumper bars.

	Item No.	Pack. Unit
anode left	2001-1321/1000-434	100
anode right	2001-1321/1000-413	100

Other terminal blocks with the same profile:		
Through	2001-1301	Page 40





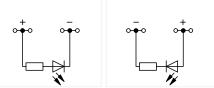
#### 4-conductor diode terminal block; with 1N4007 diode

	Item No.	Pack. Unit
<ul><li>anode right</li></ul>	2001-1411/1000-411	100
<ul><li>anode left</li></ul>	2001-1411/1000-410	100

Other terminal blocks	with the same profile:	
Through	2001-1401	Page 40



2001-1421/1000-434 2001-1421/1000-413



4-conductor LED terminal block; with red LED Notice: This LED terminal block cannot be commoned with push-in type jumper bars.

	Item No.	Pack. Unit
<ul><li>anode left</li></ul>	2001-1421/1000-434	100
<ul><li>anode right</li></ul>	2001-1421/1000-413	100

Other terminal blocks with the same profile: Through 2001-1401 Page 40

## Diode Terminal Blocks and LED Terminal Blocks TOPJOB® S Circuit Configuration Examples

Conductor range: 0.25 ... 2.5 mm<sup>2</sup> "s+f-st"; Push-in termination: 0.75 ... 2.5 mm<sup>2</sup> "s" and 0.75 ... 1.5 mm<sup>2</sup> "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2001 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

light gray man

2001-171

200 (25)

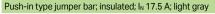


Open diode gates can be created using the following terminal blocks:

2001-1211/1000-410 or 2001-1211/1000-411



These diode terminal blocks have been specially developed for custom diode circuits, such as lamp test and collective fault signal circuits.



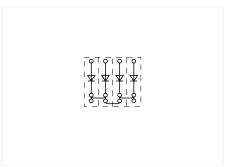


2-way	2001-402	25	
3-way	2001-403	25	
4-way	2001-404	25	
5-way	2001-405	25	
6-way	2001-406	25	
7-way	2001-407	25	
8-way	2001-408	25	
9-way	2001-409	25	
10-way	2001-410	25	

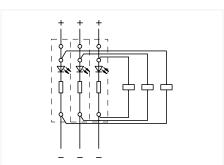
#### Push-in type



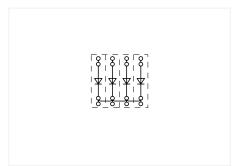
Jl	umper bar; insul	ated; I <sub>N</sub> 17.5 A;	light gray
	1 to 3	2001-433	25
	1 to 4	2001-434	25
	1 to 5	2001-435	25
	1 to 6	2001-436	25
	1 to 7	2001-437	25
	1 to 8	2001-438	25
	1 to 9	2001-439	25
	1 to 10	2001-440	25



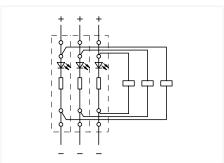
Polarized diode gates with a common cathode can be created using the following terminal blocks: 2001-1311/1000-410 or 2001-1311/1000-411



Circuit-related voltage indications can be created using the following terminal blocks: 2001-1321/1000-434 or 2001-1321/1000-413



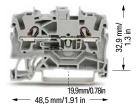
Polarized diode gates with a common cathode can be created using the following terminal blocks: 2001-1411/1000-410 or 2001-1411/1000-411



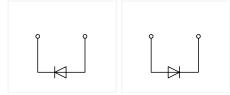
Circuit-related voltage indications can be created using the following terminal blocks: 2001-1421/1000-434 or 2001-1421/1000-413



# Diode Terminal Block, LED Terminal Block TOPJOB® S 2.5 (4) mm<sup>2</sup>; 2002 Series



2002-1211/1000-411 2002-1211/1000-410



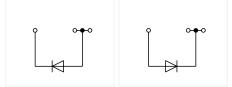
2-conductor diode terminal block; with 1N4007 diode

	Item No.	Pack. Unit
<ul><li>anode right</li></ul>	2002-1211/1000-411	100
<ul><li>anode left</li></ul>	2002-1211/1000-410	100

Other terminal blocks with the same profile:		
Through	2002-1201	Page 42



2002-1311/1000-411 2002-1311/1000-410



3-conductor diode terminal block; with 1N4007 diode

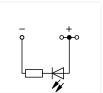
	Item No.	Pack. Unit
<ul><li>anode right</li></ul>	2002-1311/1000-411	100
<ul><li>anode left</li></ul>	2002-1311/1000-410	100

Other terminal blocks	with the same profile:	
Through	2002-1301	Page 42



2002-1321/1000-434 2002-1321/1000-413





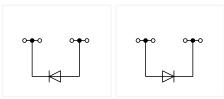
3-conductor LED terminal block; with red LED Notice: This LED terminal block cannot be commoned with push-in type jumper bars.

	Item No.	Pack. Unit
anode left	2002-1321/1000-434	100
<ul><li>anode right</li></ul>	2002-1321/1000-413	100

Other terminal blocks with the same profile:		
Through	2002-1301	Page 42



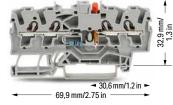
2002-1411/1000-411 2002-1411/1000-410



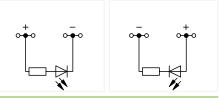
4-conductor diode terminal block; with 1N4007 diode

	Item No.	Pack. Unit
<ul><li>anode right</li></ul>	2002-1411/1000-411	100
<ul><li>anode left</li></ul>	2002-1411/1000-410	100

Other terminal blocks with the same profile:		
Through	2002-1401	Page 42



2002-1421/1000-434 2002-1421/1000-413



4-conductor LED terminal block; with red LED Notice: This LED terminal block cannot be commoned with push-in type jumper bars.

	Item No.	Pack. Unit
<ul><li>anode left</li></ul>	2002-1421/1000-434	100
<ul><li>anode right</li></ul>	2002-1421/1000-413	100

Other terminal blocks with the same profile:

Through 2002-1401 Page 42

## Diode Terminal Blocks and LED Terminal Blocks TOPJOB® S Circuit Configuration Examples

200 (25)

Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

light gray 2002-171

Insulation stop; 5 pcs/strip; 0.75 ... 1 mm²

dark gray 2002-172 200 (25)



Open diode gates can be created using the following terminal blocks:

2002-1211/1000-410 or 2002-1211/1000-411



Using LED terminal blocks, monitoring units can be designed, e.g., for control and operating circuits.

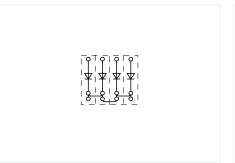
# Push-in type jumper bar; insulated; $I_{N}$ 25 A; light gray

2-way 2002-402 25 25 2002-403 3-way 25 2002-404 4-way 5-way 2002-405 25 6-way 2002-406 25 7-way 2002-407 25 25 8-way 2002-408 9-way 25 2002-409 10-way 2002-410 25

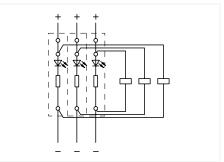
#### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray



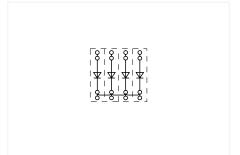
1 to 3 2002-433 25 25 1 to 4 2002-434 1 to 5 2002-435 25 1 to 6 2002-436 25 1 to 7 2002-437 25 1 to 8 2002-438 25 2002-439 25 1 to 9 1 to 10 2002-440 25



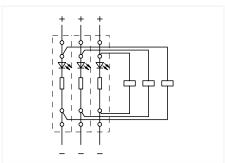
Polarized diode gates with a common cathode can be created using the following terminal blocks: 2002-1311/1000-410 or 2002-1311/1000-411



Circuit-related voltage indications can be created using the following terminal blocks: 2002-1321/1000-434 or 2002-1321/1000-413



Polarized diode gates with a common cathode can be created using the following terminal blocks: 2002-1411/1000-410 or 2002-1411/1000-411



Circuit-related voltage indications can be created using the following terminal blocks: 2002-1421/1000-434 or 2002-1421/1000-413

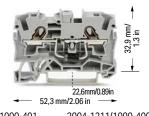
# Diode Terminal Block TOPJOB® S

## 4 (6) mm<sup>2</sup>; 2004 Series

Technical Data 0.5 ... 4 (6) mm<sup>2</sup> 20 ... 10 AWG  $U_{N}$  250 V;  $U_{RM}$  1000 V 1N5408 - 1.5 A continuous current Terminal block width: 6.2 mm / 0.244 inch 11 ... 13 mm / 0.43 ... 0.51 inch

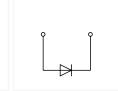
**Technical Data** 0.5 ... 4 (6) mm<sup>2</sup> 20 ... 10 AWG  $U_{N}$  250 V;  $U_{RM}$  1000 V 1N5408 - 1.5 A continuous current Terminal block width: 6.2 mm / 0.244 inch ■ 11 ... 13 mm / 0.43 ... 0.51 inch

**Technical Data** 0.5 ... 4 (6) mm<sup>2</sup> 20 ... 10 AWG  $U_{N}$  250 V;  $U_{RM}$  1000 V 1N5408 - 1.5 A continuous current Terminal block width: 6.2 mm / 0.244 inch 11 ... 13 mm / 0.43 ... 0.51 inch





2004-1211/1000-400



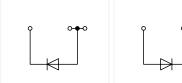
2-conductor diode terminal block; with 1N5408 diode			
	Item No.	Pack. Unit	
anodo right	2004-1211/1000-401	50	

anode left 2004-1211/1000-400 50

Other terminal blocks	with the same profile:	
Through	2004-1201	Page 46



2004-1311/1000-401 2004-1311/1000-400



3-conductor diode terminal block; with 1N5408 diode Item No. Pack. Unit

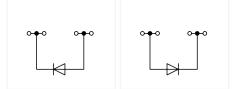
anode right 2004-1311/1000-401 50 anode left 2004-1311/1000-400 50

Other terminal blocks	with the same profile:	
Through	2004-1301	Page 46



2004-1411/1000-401

2004-1411/1000-400



4-conductor diode terminal block; with 1N5408 diode

	Item No.	Pack. Unit
<ul><li>anode right</li></ul>	2004-1411/1000-401	50
<ul><li>anode left</li></ul>	2004-1411/1000-400	50

Other terminal blocks with the same profile:			
Through	2004-1401	Page 46	



## Diode Terminal Blocks TOPJOB® S Circuit Configuration Examples

Conductor range: 0.5 ... 6 mm² "s+f-st"; Push-in termination: 1.5 ... 6 mm² "s" and 1.5 ... 4 mm² "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2004 Series

via push-in termination.

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup> dark gray

light gray mm

2004-171

2004-172

200 (25)

200 (25)



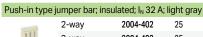
Open diode gates can be created using the following terminal blocks:

2004-1211/1000-400 or 2004-1211/1000-401



These diode terminal blocks have been specially developed for custom diode circuits, such as lamp test and collective fault signal circuits.

# 00000



2-way	2004-402	25
3-way	2004-403	25
4-way	2004-404	25
5-way	2004-405	25
6-way	2004-406	25
7-way	2004-407	25
8-way	2004-408	25
9-way	2004-409	25
10-way	2004-410	25

#### Push-in type jumper bar; insulated; I<sub>N</sub> 32 A; light gray



1 to 3 2004-433 25 25 1 to 4 2004-434 2004-435 25 1 to 5 1 to 6 2004-436 25 1 to 7 2004-437 25 1 to 8 2004-438 25 1 to 9 2004-439 25 1 to 10 2004-440 25

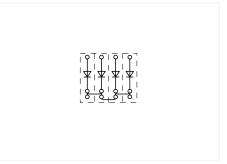
#### Wire commoning chain; 50 connections; insulated; $I_N$ 8 A black 210-103



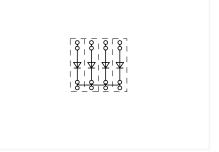
Wire commoning chain; 50 connections; insulated; I<sub>N</sub> 8 A



210-123



Polarized diode gates with a common cathode can be created using the following terminal blocks: 2004-1311/1000-400 or 2004-1311/1000-401



Polarized diode gates with a common cathode can be created using the following terminal blocks: 2004-1411/1000-400 or 2004-1411/1000-401

# Pluggable Diode Module TOPJOB® S on Carrier Terminal Block 2.5 (4) mm<sup>2</sup> 2002 Series

# Technical Data U<sub>N</sub> 250 V; U<sub>RM</sub> 1000 V

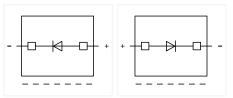
 $I_N 0.5 A$ 

Plug width: 5.2 mm / 0.205 inch



2002-800/1000-411

2002-800/1000-410



Diode module; with 1N4007 diode; max. operating temperature:  $85^{\circ}$ C; 5.2 mm wide

	Item No.	Pack. Unit
<ul><li>anode right</li></ul>	2002-800/1000-411	100
<ul><li>anode left</li></ul>	2002-800/1000-410	100

#### **Accessories for Carrier Terminal Blocks**

Appropriate marking systems: WMB/Marking strips

2-conductor carrier terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



gray

**2002-1661** 50

2-conductor carrier terminal block; with push-button 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



ray 2202-1661

End and intermediate plate; 1 mm thick				
	orange	2002-1692	100 (25)	
	aray	2002-1691	100 (25)	

2002-1761

50

3-conductor carrier terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



gray

3-conductor carrier terminal block; with push-button 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



gray 2202-1761

End and intermediate plate; 1 mm thick				
	orange	2002-1792	100 (25)	
	grav	2002-1791	100 (25)	

Please observe the application notes: Jumpers, from page 182 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### **Accessories for Carrier Terminal Blocks**

Appropriate marking systems: WMB/Marking strips

4-conductor carrier terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



y 2002-1861

4-conductor carrier terminal block; with push-button 0.25 ... 2.5 (4) mm $^2$  / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



gray

**2202-1861** 50

End and intermediate plate; 1 mm thick

 orange	2002-1892	100 (25)
gray	2002-1891	100 (25)

 $\begin{array}{l} \hbox{2-conductor carrier terminal block;} \\ \hbox{0.25} \dots \hbox{2.5 (4)} \ mm^2 \ / \ 22 \dots \ 12 \ AWG \\ \hbox{Terminal block width:} \ \hbox{5.2 mm} \ / \ \hbox{0.205 inch} \\ \end{array}$ 



2-conductor carrier terminal block; with push-button 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



gray

2202-1961

End and intermediate plate; 1 mm thick



orange	2002-1992	100 (25)
gray	2002-1991	100 (25)

Push-in type wire jumper; insulated; 1.5 mm $^2$  conductor cross-section;  $I_N$  18 A

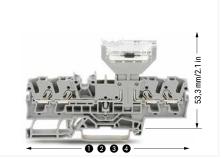
L = 60 mm	2009-412	100 (10)
L = 110 mr	n <b>2009-414</b>	100 (10)
L = 250 mr	n <b>2009-416</b>	100 (10)

# Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray

	2-way	2002-402	25	
TYPE	3-way	2002-403	25	
	4-way	2002-404	25	
	5-way	2002-405	25	
	6-way	2002-406	25	
	7-way	2002-407	25	
	8-way	2002-408	25	
	9-way	2002-409	25	
	10-way	2002-410	25	

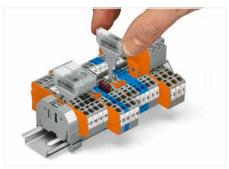
### Push-in type jumper bar; insulated; $I_{\rm N}$ 25 A; light gray

i usii-iii type j	umper bar, mau	ateu, in 20 A, ii	grit gray
-	1 to 3	2002-433	25
1	1 to 4	2002-434	25
1	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 7	2002-437	25
	1 to 8	2002-438	25
	1 to 9	2002-439	25
	1 to 10	2002-440	25



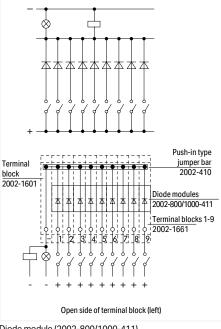
Lengths of carrier terminal blocks with a pluggable diode module:

- 1 66.1 mm / 2.62 inch for 2002-1661
- 2 76.8 mm / 3.02 inch for 2002-1761
- 3 87.5 mm / 3.45 inch for 2002-1861
- 4 72.9 mm / 2.87 inch for 2002-1961



These diode modules are ideal for custom diode circuits (e.g., lamp test and collective fault signal circuits) and offer the following advantages:

- Separation into functional and wiring levels
- Polarized switching direction
- Quick and easy module replacement
- Terminal blocks/modules provide high-density wiring in a width of just 5.2 mm



Diode module (2002-800/1000-411) Diode gate for collective fault indication

# Pluggable Diode Module, Empty Component Plug Housing TOPJOB® S on Through Terminal Block 2.5 (4) mm<sup>2</sup> 2002 Series

#### **Technical Data**

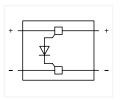
 $U_{N}$  250 V;  $U_{RM}$  1000 V

I<sub>N</sub> 0.5 A

Plug width: 10.4 mm / 0.409 inch



#### 2002-880/1000-411



Diode module; with 1N4007 recovery diode; max. operating temperature: 85°C; 10.4 mm wide

Color	Item No.	Pack. Unit
gray	2002-880/1000-411	50

Empty component plu	g housing; type 4; 10.4	4 mm wide
	0000 000	

#### Accessories for Through Terminal Blocks

Appropriate marking systems: WMB/Marking strips

2-conductor through terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



2-conductor through terminal block; with push-button 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG
Terminal block width: 5.2 mm / 0.205 inch



gray **2202-1201** 100

2002-1201

100

End and intermediate plate;	0.8 mm thick
orange	2002-1292

 orange	2002-1292	100 (25)
gray	2002-1291	100 (25)

3-conductor through terminal block; 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



gray **2002-1301** 100

3-conductor through terminal block; with push-button 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG
Terminal block width: 5.2 mm / 0.205 inch



E

gray 2202-1301 100

End and intermediate plate; 0.8 mm thick				
	orange	2002-1392	100 (25)	
	gray	2002-1391	100 (25)	

Please observe the application notes: Jumpers, from page 182 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories for Through Terminal Blocks

Appropriate marking systems: WMB/Marking strips

4-conductor through terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



ay **2002-1401** 100

4-conductor through terminal block; with push-button 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



gray **2202-1401** 100

End and intermediate plate; 0.8 mm thick

_	orange	2002-1492	100 (25)	
	gray	2002-1491	100 (25)	

#### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

light gray

Insulation stop; 5 pcs/strip; 0.75 1 mm <sup>2</sup>				
00000	dark gray	2002-172	200 (25)	

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks



yellow 2002-115 100 (25)

2002-171

200 (25)



	L = 60 mm	2009-412	100 (10)
	L = 110 mm	2009-414	100 (10)
4	L = 250 mm	2009-416	100 (10)

### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray

in trype jumper bar, insulated, in 20 A, light gray				
TIT	2-way	2002-402	25	
	3-way	2002-403	25	
	4-way	2002-404	25	
	5-way	2002-405	25	
	6-way	2002-406	25	
	7-way	2002-407	25	
	8-way	2002-408	25	
	9-way	2002-409	25	
	10-way	2002-410	25	

#### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray





Lengths of through terminal blocks with a pluggable diode module:

- 1 48.5 mm / 1.91 inch for 2002-1201
- 2 59.2 mm / 2.33 inch for 2002-1301
- 3 69.9 mm / 2.75 inch for 2002-1401



Similar to push-in type jumpers, these diode modules are simply pushed into the current bar's contact slots of two adjacent through terminal blocks, providing the following advantages:

- Compatible with all 2001 to 2006 Series Through Terminal Blocks equipped with jumper slots (note the module's width)
- Easy retrofits for existing systems
- Separation into functional and wiring levels
   Fast replacement of other functional units
- Fast replacement of other functional units
  solder-free assembly of diodes, resistors, etc.



Opening the cover via operating tool (2.5 mm blade).

# Pluggable LED Module TOPJOB® S on Carrier Terminal Block 2.5 (4) mm<sup>2</sup> 2002 Series

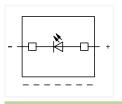
#### **Technical Data**

U<sub>N</sub> 250 V; U<sub>RM</sub> 1000 V

 $I_N \le 3 \text{ mA}$ 

Plug width: 5.2 mm / 0.205 inch





# LED module; with red LED; max. operating temperature: 85°C: 5.2 mm wide

	Item No.	Pack. Unit
○ 12 30 V	2002-800/1000-541	100
○ 30 65 V	2002-800/1000-542	100
O 230 V	2002-800/1000-836	100

#### Accessories for Carrier Terminal Blocks

Appropriate marking systems: WMB/Marking strips

2-conductor carrier terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



gray **2002-1661** 50

2-conductor carrier terminal block; with push-button 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



gray 2202-

End and intermediate plate; 1 mm thick				
	orange	2002-1692	100 (25)	
	grav	2002-1691	100 (25)	

3-conductor carrier terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



gray **2002-1761** 50

3-conductor carrier terminal block; with push-button 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



gray **2202-1761** 50

End and intermediate plate; 1 mm thick				
	orange	2002-1792	100 (25)	
	gray	2002-1791	100 (25)	

Please observe the application notes: Jumpers, from page 182 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories for Carrier Terminal Blocks

Appropriate marking systems: WMB/Marking strips

4-conductor carrier terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



ay **2002-1861** 50

4-conductor carrier terminal block; with push-button 0.25 ... 2.5 (4) mm $^2$  / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



gray

**2202-1861** 56

#### End and intermediate plate; 1 mm thick

 orange	2002-1892	100 (25)
gray	2002-1891	100 (25)

2-conductor carrier terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



2-conductor carrier terminal block; with push-button 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

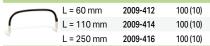


gray 2202-1961 50

#### End and intermediate plate; 1 mm thick

 orange	2002-1992	100 (25)
gray	2002-1991	100 (25)

Push-in type wire jumper; insulated; 1.5 mm $^{2}$  conductor cross-section;  $I_{N}$  18 A



#### Push-in type jumper bar; insulated; $I_{\text{N}}$ 25 A; light gray

W	2-way	2002-402	25	
	3-way	2002-403	25	
	4-way	2002-404	25	
	5-way	2002-405	25	
	6-way	2002-406	25	
	7-way	2002-407	25	
	8-way	2002-408	25	
	9-way	2002-409	25	
	10-way	2002-410	25	

#### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray

sn-in type jumper bar; insulated; I <sub>N</sub> 25 A; light gray				
F	1 to 3	2002-433	25	
	1 to 4	2002-434	25	
1 -	1 to 5	2002-435	25	
	1 to 6	2002-436	25	
	1 to 7	2002-437	25	
	1 to 8	2002-438	25	
	1 to 9	2002-439	25	
	1 to 10	2002-440	25	



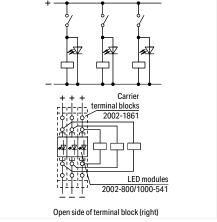
Lengths of carrier terminal blocks with a pluggable LED module:

- 66.1 mm / 2.62 inch for 2002-1661
- 2 76.8 mm / 3.02 inch for 2002-1761
- 3 87.5 mm / 3.45 inch for 2002-1861
- 4 72.9 mm / 2.87 inch for 2002-1961



The monitoring of control and operating current circuits with LED modules on rail-mount terminal blocks provides several advantages:

- No additional cost for assembly and wiring
- Separation into functional and wiring levels
- Modules can be replaced quickly by other types of modules
- Polarized switching direction
- Terminal blocks/modules provide high-density wiring in a width of just 5.2 mm



LED module (2002-800/1000-541)
Voltage control assigned to current circuits

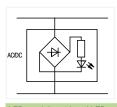
# Pluggable LED Module TOPJOB® S on Through Terminal Block 2.5 (4) mm<sup>2</sup> 2002 Series

#### **Technical Data**

 $I_N \le 3 \text{ mA}$ 

Plug width: 10.4 mm / 0.409 inch





# LED module; with red LED; max. operating temperature: $85^{\circ}\text{C}$ ; 10.4 mm wide

	Item No.	Pack. Unit
○ 1230 V	2002-880/1000-541	50
○ 30 65 V	2002-880/1000-542	50
O 230 V	2002-880/1000-836	50

#### Accessories for Through Terminal Blocks

Appropriate marking systems: WMB/Marking strips

2-conductor through terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



gray 2002-1201 100

2-conductor through terminal block; with push-button 0.25 ... 2.5 (4) mm $^2$  / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



gray

**2202-1201** 10

# End and intermediate plate; 0.8 mm thick

 orange	2002-1292	100 (25)
gray	2002-1291	100 (25)

3-conductor through terminal block; 0.25 ... 2.5 (4) mm $^2$  / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



gray

2002-1301 100

3-conductor through terminal block; with push-button 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG
Terminal block width: 5.2 mm / 0.205 inch



gray

2202-1301 100

End and intermediate plate; 0.8 mm thick



orange **2002-1392** 100 (25) gray **2002-1391** 100 (25) Please observe the application notes: Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories for Through Terminal Blocks

Appropriate marking systems: WMB/Marking strips

4-conductor through terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

gray

alde alay

2002-1401 100

4-conductor through terminal block; with push-button 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



gray 220

**2202-1401** 100

#### End and intermediate plate; 0.8 mm thick

 orange	2002-1492	100 (25)
gray	2002-1491	100 (25)



Dimensions of through terminal blocks with a pluggable LED module:

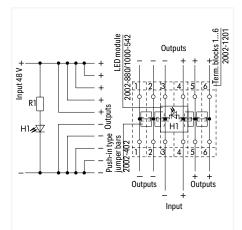
- 1 48.5 mm / 1.91 inch for 2002-1201
- 2 59.2 mm / 2.33 inch for 2002-1301
- 3 69.9 mm / 2.75 inch for 2002-1401



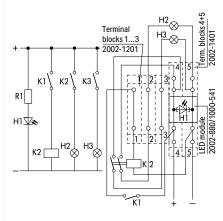
Testing via 2-pole test plugs.



Labeling via WMB Multi markers and marking strips



LED module (2002-880/1000-541) Multiple outputs with indicator lamp



LED module (2002-880/1000-541) Control unit

### Empty Component Plug Housing TOPJOB® S on Carrier Terminal Block 2.5 (4) mm<sup>2</sup> 2002 Series

#### **Technical Data**

Plug width: 5.2 mm / 0.205 inch



ı	ec	hn	ııcal	Da	ta

Plug width: 10.4 mm / 0.409 inch



Approvals and corresponding ratings,

visit www.wago.com

Please observe the application notes:

Jumpers, from page 182

Marking, from page 322

#### **Accessories for Carrier Terminal Blocks**

Appropriate marking systems: WMB/WMB Inline/Marking strips

2002-2961

50

50

25

25

25

25

25

25

25

25

25

25

25

25

25

25

25

25

light gray

Double-deck carrier terminal block 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



Empty component plug housing; type 1; 2-pole; 5.2 mm

Color	Item No.	Pack. Unit	
○ grav	2002-800	100	

Empty component plug housing; type 2; 2-pole; 10.4 mm

Color	Item No.	Pack. Unit
gray	2002-810	50

Empty component plug housing; type 3; 4-pole; 10.4 mm wide

gray	2002-820	50
------	----------	----



Terminal block width: 5.2 mm / 0.205 inch L/N 2002-2963

- Constitution			

2-way

3-way

4-way

5-way

6-way

7-way

9-way

1 to 3

1 to 4

1 to 5

1 to 6

1 to 7

1 to 8

1 to 9

1 to 10

10-way

Push-in type jumper bar; insulated; I<sub>N</sub> 25 A;

Double-deck carrier terminal block; 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG

End and intermediate plate; 1 mm thick 2002-2992 100 (25) 100 (25) 2002-2991

2002-402

2002-403

2002-404

2002-405

2002-406

2002-407

2002-408

2002-409

2002-410

2002-433

2002-434

2002-435

2002-436

2002-437

2002-438

2002-439

2002-440

Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray

#### Accessories for Carrier Terminal Blocks

Appropriate marking systems: WMB/Marking strips

0

2-conductor carrier terminal block; 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

End and intermediate plate; 1 mm thick

3-conductor carrier terminal block:

0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG

0.25 ... 2.5 (4) mm2 / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

Terminal block width: 5.2 mm / 0.205 inch



2002-1661 50

2002-1692

2002-1691

2002-1761

2202-1761

50

100 (25)

100 (25)

4-conductor carrier terminal block; 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



2002-1861 50

2-conductor carrier terminal block; with push-button  $0.25 \dots 2.5 \text{ (4)} \text{ mm}^2 \text{ / } 22 \dots 12 \text{ AWG}$ Terminal block width: 5.2 mm / 0.205 inch



2202-1661

-conductor carrier terminal block; with push-button 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



2202-1861

End and intermediate plate; 1 mm thick

orange
gray

2002-1892 100 (25) 2002-1891 100 (25)

2-conductor carrier terminal block: 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



2002-1961 gray



2-conductor carrier terminal block; with push-button 0.25 ... 2.5 (4) mm2 / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



2202-1961 50

End and intermediate plate; 1 mm thick



2002-1792 100 (25) orange 2002-1791 100 (25) gray

End and intermediate plate; 1 mm thick 2002-1992 orange

100 (25) 2002-1991 100 (25) gray

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

3-conductor carrier terminal block; with push-button



yellow

2002-115

100 (25)

50

Multi-purpose operating tool; for component plugs 2002-116

Push-in type wire jumper; insulated; 1.5 mm² conductor cross-section; I<sub>N</sub> 18 A





n	mper; insulated; I <sub>N</sub> 25 A; light gray				
	2-way	2002-472	25		
	3-way	2002-473	25		
	4-way	2002-474	25		
	5-way	2002-475	25		
	6-way	2002-476	25		
	7-way	2002-477	25		
	8-way	2002-478	25		
	9-way	2002-479	25		
	10-way	2002-480	25		
	11-way	2002-481	25		
	12-way	2002-482	25		

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

793-5501







Lengths of carrier terminal blocks with a pluggable diode module:

- 1 66.1 mm / 2.62 inch for 2002-1661
- 76.8 mm / 3.02 inch for 2002-1761
  87.5 mm / 3.45 inch for 2002-1861
  72.9 mm / 2.87 inch for 2002-1961



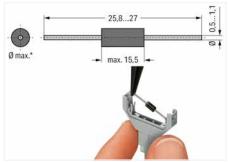
Cutting component to the proper length.



Pressing component into plug contact via operating tool.



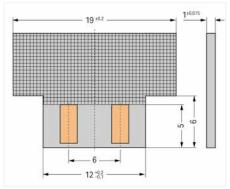
Pushing PCB into plug contact via operating tool.



\*max. 3.4 mm Ø at 5.2 mm module width and \*max. 5.4 mm Ø at 10.4 mm module width Notice: Reconnection only possible with similar or larger wire diameter.



Component plugs for building custom circuits solder-free assembly of diodes, resistors, etc. (Illustration shows a 1N4007 diode)



Dimensions of self-assembled PCBs: Module height: 2 mm at 5.2 mm module width and module height: 3.3 mm at 10.4 mm module width



When closing the cover, please insert cover as shown in the illustration.



Opening the cover via operating tool (2.5 mm blade).



Opening the cover via multi-purpose operating tool for component plugs.



# Component Plug TOPJOB® S on Carrier Terminal Blocks 2.5 (4) mm<sup>2</sup> 2042 Series



Component plug; 4-pole; transparent housing; with fiber optics;  $10.3\,\mathrm{mm}$  wide

Item No.	Pack. Unit
2042-321	5

Component plug; 8-pole; transparent housing; with fiber optics: 20.7 mm wide

**2042-341** 5



Component plug; 6-pole; transparent housing; with fiber optics; 15.5 mm wide

Item No.	Pack. Unit
2042-331	5

Component plug; 10-pole; transparent housing; with fiber optics;  $25.9 \, \text{mm}$  wide

**2042-351** 5

#### **Accessories for Carrier Terminal Blocks**

Appropriate marking systems: WMB/Marking strips

2-conductor carrier terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



gray 2002-1661 50

4-conductor carrier terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



gray **2002-1861** 50

2-conductor carrier terminal block; with push-button 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



gray

2202-1661 50

4-conductor carrier terminal block; with push-button 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



gray

End and intermediate plate; 1 mm thick

orange

arav

2-conductor carrier terminal block;

0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG

0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG

Terminal block width: 5.2 mm / 0.205 inch

Terminal block width: 5.2 mm / 0.205 inch

2-conductor carrier terminal block; with push-button

**2202-1861** 50

100 (25)

100 (25)

100 (25)

100 (25)

5

2002-1892

2002-1891

2002-1961

#### End and intermediate plate; 1 mm thick



orange 2002-1692 100 (25) gray 2002-1691 100 (25)

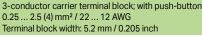
3-conductor carrier terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



gray

**2002-1761** 50

- Channell





gray

.,	0.200 111011	
	2202-1761	50

#### End and intermediate plate; 1 mm thick



orange 2002-1792 100 (25) gray 2002-1791 100 (25)

# Protective warning marker; with black high-voltage symbol; for 5 terminal blocks



yellow

2002-115

100 (25)

### orange 2002-1992 gray 2002-1991

End and intermediate plate; 1 mm thick

# WMB marking card; white; 10 strips with 10 markers/card; $5\dots5.2\,\text{mm}$ stretchable



plain 793-5501

### Length for 2002-1661 – 66.5 mm / 2.62 inch 2-conductor carrier terminal block

Length for 2002-1761 – 76.8 mm / 3.02 inch 3-conductor carrier terminal block

Length for 2002-1861 – 87.5 mm / 3.45 inch 4-conductor carrier terminal block

Length for 2002-1961 – 72.9 mm / 2.87 inch 2-conductor carrier terminal block; with additional jumper slot

Please observe the application notes: Jumpers, from page 182 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories for Carrier Terminal Blocks

Appropriate marking systems: WMB/WMB Inline/Marking strips

Double-deck carrier terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



L 2002-2961

Double-deck carrier terminal block; 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



L/N 2002-2963

(25)

(25)

1	30	951		
-				

End and int	termediate plate;	1	mm thicl	4
			0000 00	,

 orange	2002-2992	100
gray	2002-2991	100

# Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray 2-way 2002-402 25



2002-403 25 3-way 4-way 2002-404 25 5-way 2002-405 25 6-way 2002-406 25 2002-407 25 7-way 2002-408 8-wav 25 9-way 2002-409 25 10-way 2002-410

# Push-in type jumper bar; insulated; $I_N$ 25 A; light gray 1 to 3 2002-433 25



2002-434 1 to 4 25 1 to 5 2002-435 25 2002-436 25 1 to 6 1 to 7 2002-437 25 1 to 8 25 2002-438 2002-439 25 1 to 9

2002-440

25

### Staggered jumper; insulated; $I_{\text{N}}$ 25 A; light gray

1 to 10



2-way	2002-472	25
3-way	2002-473	25
4-way	2002-474	25
5-way	2002-475	25
6-way	2002-476	25
7-way	2002-477	25
8-way	2002-478	25
9-way	2002-479	25
10-way	2002-480	25
11-way	2002-481	25
12-way	2002-482	25

# Push-in type wire jumper; insulated; 1.5 mm $^{2}$ conductor cross-section; $I_{N}$ 18 A



L = 60 mm 2009-412 100 (10) L = 110 mm 2009-414 100 (10) L = 250 mm 2009-416 100 (10)



# Double-Deck Disconnect/Test Terminal Block TOPJOB® S 2.5 (4) mm<sup>2</sup>; 2002 Series

Technical Data

0.25 ... 2.5 (4) mm² 

400 V / 6 kV / 3 

I<sub>N</sub> 16 A

Terminal block width: 5.2 mm / 0.205 inch

□ 10 ... 12 mm / 0.39 ... 0.47 inch

Technical Data

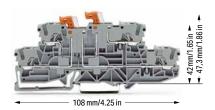
0.25 ... 2.5 (4) mm² 

400 V / 6 kV / 3 

I<sub>N</sub> 16 A

Terminal block width: 5.2 mm / 0.205 inch

10 ... 12 mm / 0.39 ... 0.47 inch

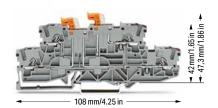


Double-deck, double-disconnect terminal block; with 2 pivoting knife disconnects; gray

	Item No.	Pack. Unit
○ L/L ⓑ	2002-2951 4	50
N/I	2002-2952	50

Double-deck, double-disconnect terminal block; with 2 pivoting knife disconnects; blue

	N/N ©	2002-2954 3 4	50



Double-deck, double-disconnect terminal block; with two pivoting knife disconnects; lower and upper decks internally commoned on right side, violet conductor entry; gray

	item no.	Pack. Utill
○ L/L ⓑ	2002-2958 4	50

Double-deck disconnect terminal block; with pivoting knife disconnect; same profile as double-deck, double-disconnect terminal block; gray

	Item No.	Pack. Unit
○ L/L ⓑ	2002-2971 4	50
N/L	2002-2972 4	50

Double-deck, double-disconnect terminal block; with two pivoting knife disconnects; lower and upper decks internally commoned on right side, violet conductor entry; blue

● N/N ⓑ 2002-2959 **③ ④** 50

Double-deck disconnect terminal block; with pivoting knife disconnect; same profile as double-deck, double-disconnect terminal block; blue

N/N ®	2002-2974 3 4	50

#### Accessories; 2002 Series

End and intermediate plate; 1 mm thick

 orange	2002-2992	100 (25)	
gray	2002-2991	100 (25)	

Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

light gray 2002-171 200 (25)

Insulation st	op; 5 pcs/strip;	0.75 1 mm²		
00000	dark gray	2002-172	200 (25)	

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks



Push-in type	jumper bar	; insulated; I <sub>N</sub> 25 A; I	ight gray
	2-way	2002-402	25
TYPE	3-way	2002-403	25
Lice	4-way	2002-404	25
	5-way	2002-405	25
	6-way	2002-406	25
	7-way	2002-407	25
	8-way	2002-408	25

9-way

10-way

Appropriate marking systems: WMB/WMB Inline/Marking strips

Push-in type jumper bar, insulated; i <sub>N</sub> 25 A, light gray						
-	1 to 3	2002-433	25			
T.V	1 to 4	2002-434	25			
1	1 to 5	2002-435	25			
	1 to 6	2002-436	25			
	1 to 7	2002-437	25			
	1 to 8	2002-438	25			
	1 to 9	2002-439	25			
	1 to 10	2002-440	25			
D h						

Delta jumper; insulated;  $I_N = I_N$  terminal block; light gray 1-2 3-4 5-6 2002-406/020-000 25

ta	ar point jumper; insulated; $I_N = I_N$ terminal block; light	

St

ay			
AU	1-3-5	2002-405/011-000	25

Staggered jumper; insulated; I <sub>N</sub> 25 A; light gray							
120,000	2-way	2002-472	25				
E C	3-way	2002-473	25				
3.1	4-way	2002-474	25				
	5-way	2002-475	25				
	6-way	2002-476	25				
	7-way	2002-477	25				
	8-way	2002-478	25				
	9-way	2002-479	25				
	10-way	2002-480	25				
	11-way	2002-481	25				
	12-way	2002-482	25				

Push-in type wire jumper; insulated; 1.5 mm $^{2}$  conductor cross-section;  $I_{N}$  18 A

	L = 60 mm	2009-412	100 (10)
	L = 110 mm	2009-414	100 (10)
4	L = 250 mm	2009-416	100 (10)

# Continuous jumper; insulated; I<sub>N</sub> 25 A, light gray 2-way 2002-400 25

Continuous jumper insulated: I	OF At light grou	
])		

	1 to 3	2002-423	25		
17	1 to 4	2002-424	25		
-					
Continuous iumner: insulated: l., 25 A light gray					

	Continuous jumper, insulated, in 25 A, light gray						
		3-way	2002-413	25			
11	5-way	2002-415	25				
	7. 8.						

Modular connector; snaps together; for jumper contact slot

100				
	gray	2002-511	100 (25)	

Spacer module; snaps together; bridges c	ommoned
terminal blocks	

terrinia bio	CINO			
	gray	2002-549	100 (25)	

Test plug ac	dapter; for 4 n	nm Ø test plug; l <sub>N</sub> 1	0 A	
1	gray	2009-174	100 (25)	
Testing tap;	for max. 2.5 i	mm²		
	gray	2009-182	100 (25)	

-				
Test plug; wit	h 500 m	m cable; 2 mm Ø; max.	42 V	
/	red	210-136	50 (1)	



2002-409

2002-410

25

25

- Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 400 V = rated voltage
   6 kV = rated impulse voltage
   3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications. 440 V; 14 A

Please observe the application notes: Jumpers, from page 182 Testing accessories, from page 177 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Marking strip; plain; 11 mm wide; 50 m reel

whit

2009-110

WMB Inline, plain; 1,500 WMB markers (5 mm)/reel;  $5 \dots 5.2$  mm stretchable



white

2009-115

WMB marking card; white; 10 strips with 10 markers/card;  $5\dots5.2$  mm stretchable



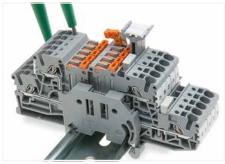
793-5501



Double-deck, double-disconnect terminal blocks (Item No. 2002-2951) with group marker carrier accommodated in jumper contact slot



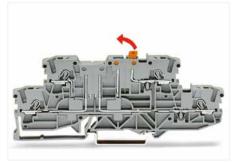
Double-deck, double-disconnect terminal block (Item No. 2002-2951) with group marker carrier (Item No. 2002-160) accommodated in jumper contact slot



Testing with voltage tester.



Double-deck, double-disconnect terminal block (Item No. 2002-2951) with group marker carrier (Item No. 2002-160) accommodated in a jumper contact slot and test plug (Item No. 210-136)



Double-deck disconnect terminal block (Item No. 2002-2971) Opening a knife disconnect.

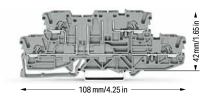
# Double-Deck Carrier Terminal Block TOPJOB® S

### 2.5 (4) mm<sup>2</sup>; 2002 Series

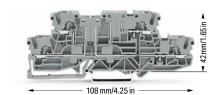
**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 300 V, 15 A 🕦 400 V / 6 kV / 3 2 I<sub>N</sub> 16 A 300 V, 15 A@ Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 400 V / 6 kV / 3 2 300 V, 15 A 👊 I<sub>N</sub> 16 A 300 V, 15 A@ Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch

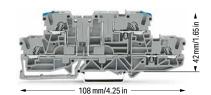
**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 300 V, 15 A 🕦 400 V / 6 kV / 3 2 I<sub>N</sub> 16 A 300 V, 15 A@ Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch



Double-deck carrier terminal block; gray		
	Bestellnr.	VPE
○ L/L &	2002-2941 3	50



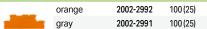
Double-deck carrier terminal block; gray				
Bestellnr. VPE				
○ L/L ⓑ	2002-2961 3	50		



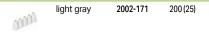
Double-deck carrier terminal block; gray			
	Bestellnr.	VPE	
L/N	2002-2963 3	50	

#### Accessories; 2002 Series

#### End and intermediate plate; 1 mm thick



2002-171 200 (25) light gray



### Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>

2002-172 200 (25) 00000

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks



2002-115 100 (25)

Push-in type jumper bar; insulated; I <sub>N</sub> 25 A; light gray			
Contractor	2-way	2002-402	25
1777	3-way	2002-403	25
100	4-way	2002-404	25
	5-way	2002-405	25
	6-way	2002-406	25
	7-way	2002-407	25
	8-way	2002-408	25
	9-way	2002-409	25
	10-way	2002-410	25
Push-in type jumper bar; insulated; I <sub>N</sub> 25 A; light gray			



#### Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Delta jumper; insulated; $I_N$ = $I_N$ terminal block; light gray

1-23-45-6 2002-406/020-000 25

Star point jumper; insulated;  $I_N = I_N$  terminal block; light

2002-405/011-000 1-3-5 25

### Staggered jumper; insulated; $I_{N}$ 25 A; light gray

CONTRACTOR OF THE PERSON OF TH	2-way	2002-472	25
E E	3-way	2002-473	25
11	4-way	2002-474	25
	5-way	2002-475	25
	6-way	2002-476	25
	7-way	2002-477	25
	8-way	2002-478	25
	9-way	2002-479	25
	10-way	2002-480	25
	11-way	2002-481	25
	12-way	2002-482	25
Continuous jui	mper; insulated;	I <sub>N</sub> 25 A, light g	ray

2002-400 2-way 25

Continuous jumper; insulated; I<sub>N</sub> 25 A; light gray 2002-423 1 to 3 25

2002-424

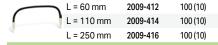
25

# Continuous jumper; insulated; I<sub>N</sub> 25 A, light gray

1 to 4

2002-413 25 u 2002-415 25 5-way

#### Push-in type wire jumper; insulated; 1.5 mm<sup>2</sup> conductor cross-section; I<sub>N</sub> 18 A



Disconnect plug for carrier terminal blocks; suitable when using a carrier terminal block as disconnect terminal block

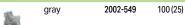


2002-401 100 (25) orange

#### Modular connector; snaps together; for jumper contact slot



Spacer module; snaps together; bridges commoned



#### Test plug adapter; for 4 mm Ø test plug; I<sub>N</sub> 10 A 2009-174 100 (25)

#### Testing tap; for max. 2.5 mm<sup>2</sup> 2009-182 100 (25) gray

#### Test plug; with 500 mm cable; 2 mm Ø; max. 42 V 210-136 red 50 (1)

# Marking strip; plain; 11 mm wide; 50 m reel

### 2009-110 white

#### WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable



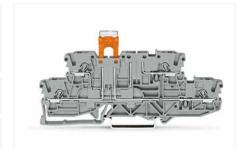
#### WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

793-5501 5

- Ocnductor range: 0.25 ... 4 mm² "s+f-st";
  Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm²
  "insulated ferrules, 12 mm"
  Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 400 V = rated voltage6 kV = rated impulse voltage3 = pollution degree
- Terminal blocks with an Ex mark are suitable for Ex e II applications. 440 V; 14 A

Please observe the application notes: Jumpers, from page 182 Testing accessories, from page 177 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



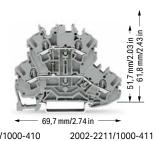
Carrier terminal block (Item No. 2002-2941) with disconnect plug (Item No. 2002-401) in parked position

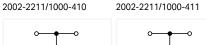


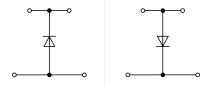
Carrier terminal block (Item No. 2002-2941) with disconnect plug (Item No. 2002-401) in operating position



# Double-Deck Diode Terminal Block and LED Terminal Block TOPJOB® S 2.5 (4) mm<sup>2</sup>; 2002 Series

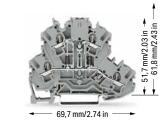






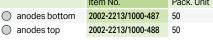
Double-deck diode terminal block, with 1144007 diode,			
gray			
	Item No.	Pack. Unit	
<ul><li>anode bottom</li></ul>	2002-2211/1000-410	50	
<ul><li>anode top</li></ul>	2002-2211/1000-411	50	

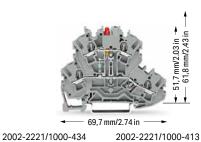


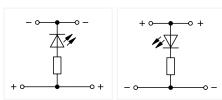






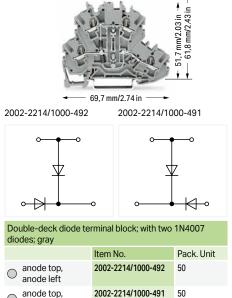


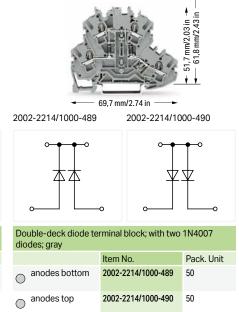




	Item No.	Pack. Unit
<ul><li>anode bottom</li></ul>	2002-2221/1000-434	50
<ul><li>anode top</li></ul>	2002-2221/1000-413	50

Double-deck LED terminal block; with red LED; gray







anode right

## Double-Deck Diode Terminal Blocks and LED Terminal Blocks TOPJOB® S Circuit Configuration Examples

Conductor range: 0.25 ... 4 mm<sup>2</sup> "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2002 Series

via push-in termination.

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### End and intermediate plate; 0.8 mm thick

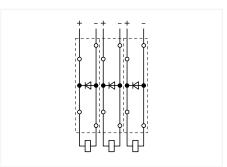
_	

orange	2002-2292	100 (25)
gray	2002-2291	100 (25)

#### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup> light gray

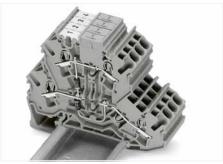


2002-171 200 (25)



Open diode gates can be created using the following ter-

2002-2211/1000-410 or 2002-2211/1000-411



Double-deck diode terminal blocks were specifically developed for custom diode circuits, such as lamp test and collective fault signal circuits.

These terminal blocks provide high-density wiring in a width of just 5.2 mm.

Push-in type jumper bars provide additional options for custom circuit design.





200 (25)

25

#### dark gray 2002-172



Push-in type jumper bar; insulated;  $I_N$  25 A; light gray 2-way 2002-402 25 2002-403 25 3-way 4-wav 2002-404 25 5-way 2002-405 25 6-way 2002-406 25 2002-407 25 7-way 2002-408 25 8-way 2002-409 25 9-wav

#### Push-in type jumper bar; insu ated; I<sub>N</sub> 25 A; light gray



1 to 3 2002-433 25 2002-434 25 1 to 4 1 to 5 2002-435 25 2002-436 25 1 to 6 1 to 7 2002-437 25 1 to 8 2002-438 25 2002-439 25 1 to 9 2002-440 25 1 to 10

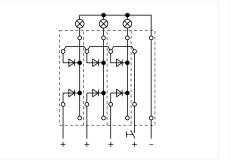
2002-410

#### Double-deck marker carrier; pivoting

10-way

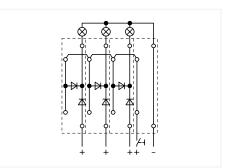


2002-121 50 (25)



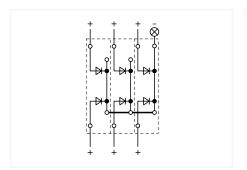
Polarized diode gates with a common cathode can be created using the following terminal blocks:

2002-2213/1000-487 or 2002-2213/1000-488

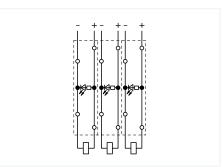


Lamp test circuits can be created using the following terminal blocks:

2002-2214/1000-492 or 2002-2214/1000-491

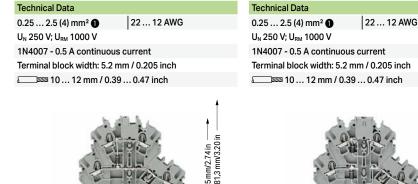


Polarized diode gates with a common cathode can be created using the following terminal blocks: 2002-2214/1000-489 or 2002-2214/1000-490



Circuit-related voltage indications can be created using the following terminal blocks: 2002-2221/1000-434 or 2002-2221/1000-413

# Triple-Deck Diode Terminal Block, Triple-Deck LED Terminal Block TOPJOB® S 2.5 (4) mm<sup>2</sup>; 2002 Series







22 ... 12 AWG

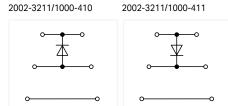
**Technical Data** 

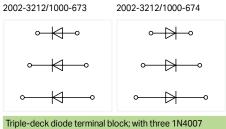
I<sub>F</sub> 0.025 A max.

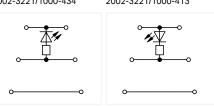
24 VDC

0.25 ... 2.5 (4) mm<sup>2</sup>

Terminal block width: 5.2 mm / 0.205 inch







Triple-deck diode terminal block;, with 1N4007 diode; gray				
Item No. Pack. Unit				
<ul><li>anode bottom</li></ul>	2002-3211/1000-410	50		
<ul><li>anode top</li></ul>	2002-3211/1000-411	50		

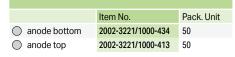
2002-3201

Page 82

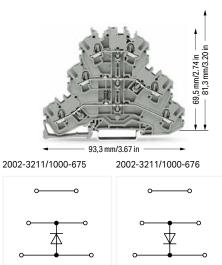
Other terminal blocks with the same profile:

Through

diodes; gray		
	Item No.	Pack. Unit
<ul><li>anodes right</li></ul>	2002-3212/1000-673	50
<ul><li>anodes left</li></ul>	2002-3212/1000-674	50



Triple-deck LED terminal block; with red LED; gray



	0	<u>7</u>			
Triple-deck diode terminal block; with 1N4007 diode; gray					
Item No. Pack. Unit					
<ul><li>anode bottom</li></ul>	2002-3211/1000-675	50			
<ul><li>anode top</li></ul>	2002-3211/1000-676	50			



Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm"

Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### End and intermediate plate; 0.8 mm thick



orange	2002-3292	100 (25)
gray	2002-3291	100 (25)

#### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

light gray mm

2002-171

200 (25)

#### Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup> dark gray 2002-172 200 (25) 00000

### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray



J١	jumper bar, modiated, in 20 A, light gray			
	2-way	2002-402	25	
	3-way	2002-403	25	
	4-way	2002-404	25	
	5-way	2002-405	25	
	6-way	2002-406	25	
	7-way	2002-407	25	
	8-way	2002-408	25	
	9-way	2002-409	25	
	10-way	2002-410	25	

#### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray



1 to 3 2002-433 25 2002-434 25 1 to 4 2002-435 25 1 to 5 2002-436 25 1 to 6 1 to 7 2002-437 25 25 1 to 8 2002-438 2002-439 25 1 to 9

2002-440

2002-511

Modular connector; snaps together; for jumper contact slot

1 to 10



Spacer module; snaps together; bridges commoned



gray

2002-549 100 (25)

25

100 (25)

### Test plug adapter; for 4 mm Ø test plug; I<sub>N</sub> 10 A



2009-174

100 (25)

#### Testing tap; for max. 2.5 mm<sup>2</sup>

gray



2009-182 100 (25)

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Marking strip; plain; 11 mm wide; 50 m reel

white



2009-110

#### WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; ... 5.2 mm stretchable



2009-115

WMB marking card; white; 10 strips with 10 markers/card;



793-5501 5

### Triple-deck marker carrier; pivoting



2002-131 50 (25)



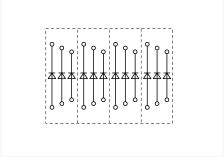
Double- and triple-deck LED terminal blocks: Using LED terminal blocks, monitoring units can be designed, e.g., for control and operating circuits.



Triple-deck diode terminal blocks were specifically developed for custom diode circuits, such as lamp test and collective fault signal circuits.

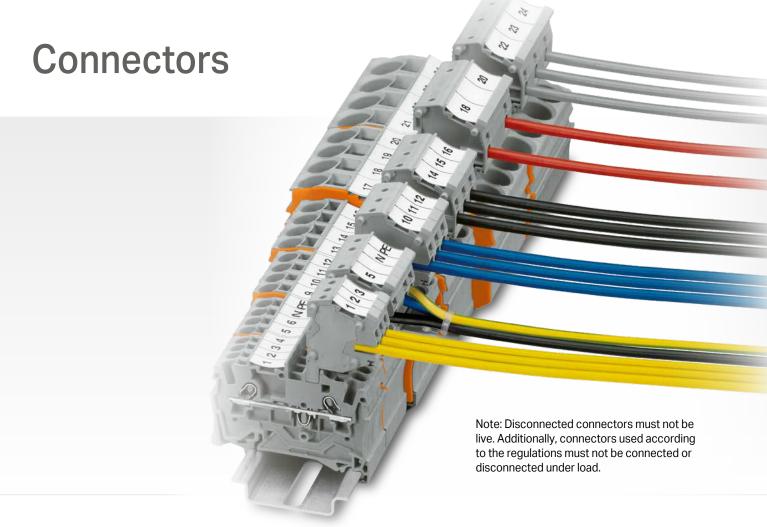
These terminal blocks provide high-density wiring in a width of just 5.2 mm.

Push-in type jumper bars provide additional options for custom circuit design.



Open diode gates can be created and connected individually using the following terminal blocks: 2002-3212/1000-673 or 2002-3212/1000-674

Using push-in type jumper bars, individual decks can be turned into polarized diode gates.



### Connectors

# **Connector Strips**

# **Testing**



Modular connectors with Push-in CAGE CLAMP® technology offer an additional connection option for conductors of the same size as the terminal block being used (up to 23 A). They can also double as test plugs.

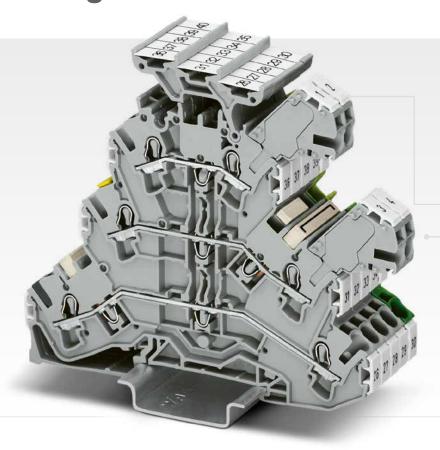


Additionally, 2- to 10-pole connector strips for the 2001 and 2002 Series, as well as 2- to 5-pole connector strips for the 2004 Series are available.



Modular connectors for 2001, 2002, 2004, 2006, 2010 and 2016 Series have a test socket for 2 mm or 2.3 mm Ø test plugs (max. test voltage: 42 V).

# **Testing Accessories**



### **Connectors**

- Circuit identification via WMB markers
- Customizable to suit required number of poles

# **Test Plugs**



The Test Plugs TOPJOB® S can be simply pushed into the conductor entry and then unplugged – no tools required. Test plugs are a convenient workaround for multilevel terminal block assemblies with inaccessible jumper slots. Additionally, terminal blocks can be skipped using spacer modules.

# **Test Plug Adapter**



Test plug adapter (Item No. 2009-174, CAT I) for 4 mm Ø plugs – compatible with 2000 to 2016 Series

# **Testing Tap**



Testing tap (Item No. 2009-182) for toolfree connection of test cables up to 2.5 mm<sup>2</sup> (12 AWG) – compatible with 2000 to 2016 Series

## Connector, Connector Strip TOPJOB® S

## 1 (1.5) mm<sup>2</sup>; 2000 Series and 1.5 (2,5) mm<sup>2</sup>; 2001 Series and 2.5 (4) mm<sup>2</sup>; 2002 Series

**Technical Data** 24 ... 16 AWG 0.14 ... 1 (1.5) mm<sup>2</sup> 500 V / 6 kV / 3 4 300 V, 10 A 74 I<sub>N</sub> 13.5 A 300 V, 10 A@ Terminal block width: 3.5 mm / 0.138 inch € 9 ... 11 mm / 0.35 ... 0.43 inch

**Technical Data** 0.14 ... 1 (1.5) mm<sup>2</sup> 24 ... 16 AWG 500 V / 6 kV / 3 4 600 V, 10 A 👊 I<sub>N</sub> 13.5 A 300 V, 10 A@ Terminal block width: 5 mm / 0.197 inch □■9 ... 11 mm / 0.35 ... 0.43 inch

**Technical Data** 0.25 ... 1.5 (2.5) mm<sup>2</sup> 2 22 ... 14 AWG 500 V / 6 kV / 3 4 300 V, 15 A: **%** us I<sub>N</sub> 17.5 A 300 V, 15 A@ Terminal block width: 4.2 mm / 0.165 inch  $\blacksquare$  9 ... 11 mm / 0.35 ... 0.43 inch







Modular connector; for jumper contact slot; snaps			
together; gray			
	Item No.	Pack. Unit	

	Item No.	Pack. Unit
1-pole	2000-510	100 (25)

Modular connector; with end plate; for jumper contact			
	slot; snaps together; gray		
	Item No. Pack. Unit		

0

Modular Connector, for jumper Contact Slot, Snaps		
together; gray		
	Item No.	Pack. Unit
1-pole	2001-511	100 (25)

terminal blocks			
gray	2000-549	100 (25)	

connector strip; for jumper contact slot; gray			
O 2-pole	2000-552	25	
3-pole	2000-553	25	
O 4-pole	2000-554	25	
○ 5-pole	2000-555	10	
O 6-pole	2000-556	10	
7-pole	2000-557	10	
O 8-pole	2000-558	10	
9-pole	2000-559	10	
10-pole	2000-560	10	

1-pole	2000-511	100 (25)	1-pole	2001-511	100 (25)
		Spacer module; snaps terminal blocks	together; bridges cor	nmoned	
			gray	2001-549	100 (25)

connector strip; for jumper contact slot; gray				
$\bigcirc$	2-pole	2000-552	25	
$\bigcirc$	3-pole	2000-553	25	
$\bigcirc$	4-pole	2000-554	25	
$\bigcirc$	5-pole	2000-555	10	
$\bigcirc$	6-pole	2000-556	10	
$\bigcirc$	7-pole	2000-557	10	
$\bigcirc$	8-pole	2000-558	10	
$\bigcirc$	9-pole	2000-559	10	
$\bigcirc$	10-pole	2000-560	10	

Accessories;	item-spe	cific	
WMB Inline, p 5 5.2 mm s		O WMB markers (5 mm	n)/reel;
<b>B</b>	white	2009-115	1

connector strip; for jur	mper contact slot; gra	y
2-pole	2001-552	25
3-pole	2001-553	25
O 4-pole	2001-554	25
5-pole	2001-555	10
O 6-pole	2001-556	10
7-pole	2001-557	10
O 8-pole	2001-558	10
9-pole	2001-559	10
10-pole	2001-560	10

WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel white 2009-113

	, op o c		
WMB Inline, p 5 5.2 mm s		WMB markers (5 mr	m)/reel;
•	white	2009-115	1

Accessories	; item-speci	fic	
WMB Inline; p		WMB markers (4 m	m)/reel;
•	white	2009-114	1

WMB marking card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width plain

793-3501 5 WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable plain 793-5501 5

WMB marking card; white; 10 strips with 10 markers/card; 4 ... 4.2 mm stretchable plain 793-4501 5

#### Accessories; 2000 Series

Accessories; item-specific

Appropriate marking systems: WMB/WMB Inline/Marking strips

End plate; for modular con	nector; 1.5 mm	thick
gray	2002-541	100 (25

Test plug; wi	th 500 mr	n cable; 2 mm Ø; max	c. 42 V
1	red	210-136	50 (1)

Strain relief plate; gray		
35 mm wide	734-326	100 (25)
6 mm wide	734-327	100 (25)
12.5 mm wide	734-328	100 (25)
25 mm wide	734-329	100 (25)
	35 mm wide 6 mm wide 12.5 mm wide	35 mm wide 734-326 6 mm wide 734-327 12.5 mm wide 734-328



#### **Technical Data**

0.25 ... 2.5 (4) mm<sup>2</sup> **3** 500 V / 6 kV / 3 **4** I<sub>N</sub> 24 A 22 ... 12 AWG 300 V, 20 A**RA** 300 V, 20 A®

Terminal block width: 5.2 mm / 0.205 inch

E 10 ... 12 mm / 0.39 ... 0.47 inch



# Modular connector; for jumper contact slot; snaps together; gray

	Item No.	Pack. Unit
1-pole	2002-511	100 (25)

## Spacer module; snaps together; bridges commoned terminal blocks

gray	2002-549	100 (25)
ylay	2002-043	100 (23)

connector strip; for jur	mper contact slot; gra	y
O 2-pole	2002-552	25
3-pole	2002-553	25
O 4-pole	2002-554	25
5-pole	2002-555	10
O 6-pole	2002-556	10
7-pole	2002-557	10
8-pole	2002-558	10
9-pole	2002-559	10
O 10-pole	2002-560	10

#### Accessories; item-specific

WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

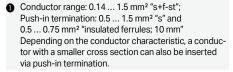


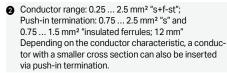
wnite

2009-115

WMB marking card; white; 10 strips with 10 markers/card;  $5\dots5.2$  mm stretchable

plain **793-5501** 5





3 Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

500 V = rated voltage6 kV = rated impulse voltage3 = pollution degree

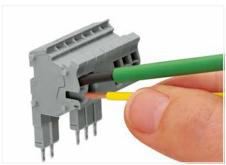
#### Note

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

Approvals and corresponding ratings, visit www.wago.com



Snapping connectors and spacers together to assemble a multipole connector.



Operating tool for fine-stranded conductors without ferrules – push-in connection of solid conductors



Rail-mount terminal block assembly for electric motor wiring



Snapping on a strain relief plate.

#### Marking strip; plain; 11 mm wide; 50 m reel

white 2009-110 1



The modular connectors also connect conductors of the same size as the terminal blocks being used.



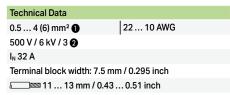
Connectors with a 2 mm  $\emptyset$  test socket for testing voltage via 2-pole voltage tester

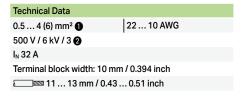


## Connector, Connector Strip TOPJOB® S

## 4 (6) mm<sup>2</sup>; 2004 Series; 2006 Series; 2010 Series and 2016 Series

Technical Data	
	22 10 AWG
	300 V, 30 A <b>9</b> 1
I <sub>N</sub> 32 A	300 V, 30 A®
Terminal block width: 6.2 mm	n / 0.244 inch
■ 11 13 mm / 0.43 0.51 inch	









Modular connector; for jumper contact slot; snaps

Modular connector; for jumper contact slot; snaps together; gray		
	Item No.	Pack. Unit
1-pole	2004-511	100 (25)

Modular connector; for jumper contact slot; snaps together; gray		
	Item No.	Pack. Unit
1-pole	2006-511	50 (25)

	Item No.	Pack. Unit
1-pole	2010-511	50 (25)

terminal blocks				
gray	2004-549	100 (25)		
connector strip; for jumper contact slot; gray				
2-pole	2004-552	25		

Spacer module; snaps together; bridges commoned

Spacer module; snaps together; bridges commoned terminal blocks		
gray	2006-549	50 (25)

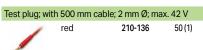
Spacer module; snaps together; bridges commoned terminal blocks			mmoned
	rav	2010-549	50 (25)

oormootor ourspyror jus	. jampor contactorot, gray		
O 2-pole	2004-552	25	
3-pole	2004-553	25	
4-pole	2004-554	25	
5-pole	2004-555	10	

Accessories, for connector strips

Appropriate marking systems: WMB/WMB Inline/Marking strips

End plate; for modular connector; 1.5 mm thick gray 2004-541 100 (25)



Strain relief pl	ate; gray		
100	35 mm wide	734-326	100 (25)
00	6 mm wide	734-327	100 (25)
	12.5 mm wide	734-328	100 (25)
	25 mm wide	734-329	100 (25)
Marking strip;	plain; 11 mm wid	de; 50 m reel	
0.	white	2009-110	1





Technical Data

0.5 ... 4 (6) mm<sup>2</sup>

22 ... 10 AWG

500 V / 6 kV / 3 2

 $I_N 32 A$ 

Terminal block width: 12 mm / 0.472 inch

E 11 ... 13 mm / 0.43 ... 0.51 inch



Conductor range: 0.5 ... 6 mm² "s+f-st"; Push-in termination: 1.5 ... 6 mm<sup>2</sup> "s" and 1.5 ... 4 mm<sup>2</sup> "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

2 500 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

Approvals and corresponding ratings, visit www.wago.com

Modular connector; for jumper contact slot; snaps together; gray

Item No. Pack. Unit O 1-pole 2016-511 50 (25)

Spacer module; snaps together; bridges commoned terminal blocks

2016-549 50 (25) gray



## L-Type Test Plug Module TOPJOB® S for Testing 5.2 mm Wide Rail-Mount Terminal Blocks – via **Conductor Entries**

2.5 (4) mm<sup>2</sup>; 2002 Series

0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG

500 V / 6 kV / 3 2

 $I_N 18 A$ 

Terminal block width: 5.2 mm / 0.205 inch



Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

500 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree

> Approvals and corresponding ratings, visit www.wago.com



L-type test plug assembly: L-type test plug modules and L-type spacer modules (max. 10-pole) Additionally, terminal blocks can be skipped using spacer modules.

L-type test plug module; snaps together; gray According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

	Item No.	Pack. Unit
1-pole	2002-611	100 (25)

Spacer module; snaps together; bridges commoned terminal blocks

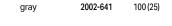
gray 2002-649

Accessories; for L-type test plug modules

Appropriate marking systems: WMB/WMB Inline/Mini-WSB

End plate; for modular test plug module; 1.5 mm thick

2002-641



Test plug; with 500 mm cable; 2 mm Ø; max. 42 V 210-136 50 (1)

Strain relief plate; gray

35 mm wide 734-326 100 (25) 100 (25) 6 mm wide 734-327 12.5 mm wide 734-328 100 (25) 25 mm wide 734-329 100 (25)

WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; ... 5.2 mm stretchable

2009-115 white

WMB marking card; white; 10 strips with 10 markers/card;

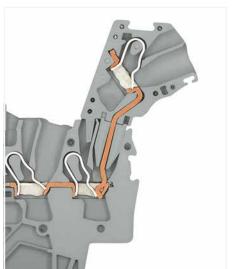
5 ... 5.2 mm stretchable 793-5501 5



L-type test plug modules fitted in a triple-deck terminal block



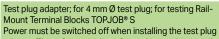
L-type test plug modules for testing rail-mount terminal blocks via conductor entries



L-type test plug module - cross-sectional view of con-

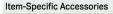
# Test Plug Adapter, Testing Tap TOPJOB® S 2009 Series





Power must be switched off when installing the test plug adapter. The safety guidelines for working on live installations must be observed.

Color	Item No.	Pack. Unit
gray	2009-174	100 (25)



Banana plug; for 4 mm socket diameter; color mixed; 10 x orange, white, black, blue, yellow; max. 42 V  $\,$ 

215-111





Testing tap; for max. 2.5 mm²; connects test cables (0.08 ... 2.5 mm²) without tool
Power must be switched off when installing the testing tap. The safety guidelines for working on live installations must be observed.

Color	Item No.	Pack. Unit
gray	2009-182	100 (25)



Test plug adapter (Item No. 2009-174, CAT I) for 4 mm  $\emptyset$  plugs – compatible with 2000 to 2016 Series



Testing tap (Item No. 2009-182) for tool-free connection of test cables up to 2.5 mm² (12 AWG) – compatible with 2000 to 2016 Series

# Colored Push-In Type Jumper Bar TOPJOB® S 2000 Series and 2002 Series







Push-in type jum	per bar; insulated; I <sub>N</sub> 13.5	A; red	Push-in type jump	er bar; insulated; I <sub>N</sub> 13.5	A; blue
	Item No.	Pack. Unit		Item No.	Pack.
2-way	2000-402/000-005	25	2-way	2000-402/000-006	25
3-way	2000-403/000-005	25	3-way	2000-403/000-006	25
4-way	2000-404/000-005	25	4-way	2000-404/000-006	25
5-way	2000-405/000-005	25	5-way	2000-405/000-006	25
6-way	2000-406/000-005	25	6-way	2000-406/000-006	25
7-way	2000-407/000-005	25	7-way	2000-407/000-006	25
8-way	2000-408/000-005	25	8-way	2000-408/000-006	25
9-way	2000-409/000-005	25	9-way	2000-409/000-006	25
10-way	2000-410/000-005	25	10-way	2000-410/000-006	25
1 to 3	2000-433/000-005	25	1 to 3	2000-433/000-006	25
Push-in type ium	nper bar; insulated; I <sub>N</sub> 25 A;	red	Push-in type iump	er bar; insulated; I <sub>N</sub> 25 A;	blue
2-way	2002-402/000-005	25	2-way	2002-402/000-006	25
3-way	2002-403/000-005	25	<ul><li>3-way</li></ul>	2002-403/000-006	25
4-way	2002-404/000-005	25	4-way	2002-404/000-006	25
5-way	2002-405/000-005	25	5-way	2002-405/000-006	25
6-way	2002-406/000-005	25	O 6-way	2002-406/000-006	25
7-way	2002-407/000-005	25	7-way	2002-407/000-006	25
8-way	2002-408/000-005	25	8-way	2002-408/000-006	25
9-way	2002-409/000-005	25	9-way	2002-409/000-006	25
_			_		

Push-in type jumper bar; insulated; yellow-green			
Item No. Pack. Unit			
2-way	2000-402/000-018	25	



For example, colored push-in type jumper bars are used with sensor terminal blocks.



## Continuous Jumper TOPJOB® S 2002 Series

Technical Data
800 V
I <sub>N</sub> 25 A



Technical Data 800 V / 8 kV / 3 I<sub>N</sub> 25 A







Continuous jumper; insulated; 2-way		
	Item No.	Pack. Unit
<ul><li>light gray</li></ul>	2002-400	25
red	2002-400/000-005	25
blue	2002-400/000-006	25

Continuous jumper; insulated; 1 to 3			
Color	Item No.	Pack. Unit	
<ul><li>light gray</li></ul>	2002-423	25	
red	2002-423/000-005	25	
blue	2002-423/000-006	25	

Continuous jumper; insulated; light gray				
Item No. Pack. Unit				
1 to 3	2002-413	25		
1 to 5	2002-415	25		

Continuous jumper; insulated; 1 to 4		
Color	Item No.	Pack. Unit
<ul><li>light gray</li></ul>	2002-424	25
red	2002-424/000-005	25
blue	2002-424/000-006	25



Continuous jumpers (2002 Series) readily connect an endless number of terminal blocks to each other via single jumper slot. Use the second jumper slot for additional commoning or testing.



The 1-to-3 Continuous jumper enables every other terminal block to be commoned. For example, positive and negative potentials can be accommodated alongside each



Adjacent jumpers for continuous commoning (Item No. 2002-400)

183

## Staggered Jumper TOPJOB® S 2002 Series

Technical Data 400 V / 6 kV / 3 I<sub>N</sub> 25 A





Staggered jumper (seven contacts):

Individual jumper contacts can be broken off by bending them. The remaining piece of insulation will meet requirements for clearances and creepage distances.



Staggered jumpers (seven contacts)

### Staggered jumper; insulated; for 2002, 2003, 2022 and 2202 Series Rail-Mount Terminal Blocks; light gray Pack. Unit Item No. O 2-way 2002-472 25 25 3-way 2002-473 O 4-way 2002-474 25 O 5-way 2002-475 25 25 O 6-way 2002-476 25 2002-477 7-way O 8-way 2002-478 25 9-way 2002-479 25 25 10-way 2002-480 2002-481 25 11-way 2002-482 25 12-way

Customized staggered jumper; insulated; with contact
lugs broken off at the factory and circuit printing; light
gray

gray		
O 1-3	2002-473/011-000	25
O 1-3-5	2002-475/011-000	25
O 1-3-5-7	2002-477/011-000	25
O 1-3-5-7-9	2002-479/011-000	25
1-3-5-7-9-11	2002-481/011-000	25



Staggered jumper: Marking with a felt-tip pen.



Locate red stripes of the staggered jumpers on the inside. Insert staggered jumper and push down until it hits backstop.

### Commoning using staggered jumpers:

Individual jumper contacts can be broken off by bending them. The remaining piece of insulation will meet requirements for clearances and creepage distances. Custom staggered jumpers can be created, e.g., for bridging over a terminal block with a different potential. Make sure that only one contact lug is in contact with the terminal block.

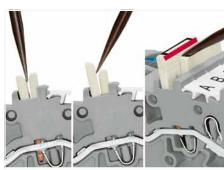
The contact lugs of the customized staggered jumpers contact the terminal blocks via the gaps created in the second jumper. Insert and press the ready-made jumper assembly into the jumper slot until it hits backstop.



Staggering jumpers in a single jumper slot.

Custom staggered jumpers can be created, e.g., for bridging over a terminal block with a different potential. Make sure that only one contact lug is in contact with the terminal block.

The contact lugs of the customized staggered jumpers contact the terminal blocks via the gaps created in the second jumper. Insert and press the ready-made jumper assembly into the jumper slot until it hits backstop.



Removing a staggered jumper:

Insert the operating tool between the staggered jumpers, then lift up the jumper.



Commoning two potentials in one single jumper slot via extremely slim staggered jumpers.



## Star Point Jumper, Delta Jumper, Collective Jumper Carrier TOPJOB® S

Technical Data 800 V / 8 kV / 3

 $I_N = I_N$  terminal block

Technical Data
800 V / 8 kV / 3
I<sub>N</sub> = I<sub>N</sub> terminal block

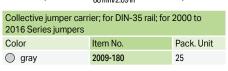






Star point jumper; insulated; 1-3-5; light gray		
	Item No.	Pack. Unit
$\bigcirc$	2000-405/011-000	25
$\circ$	2001-405/011-000	25
$\circ$	2002-405/011-000	25
$\circ$	2004-405/011-000	25
$\circ$	2006-405/011-000	25
$\circ$	2010-405/011-000	25
0	2016-405/011-000	25

Delta jumper; insulated; 1-2 3-4 5-6; light gray		
	Item No.	Pack. Unit
0	2000-406/020-000	25
$\circ$	2001-406/020-000	25
$\circ$	2002-406/020-000	25
0	2004-406/020-000	25





This star point jumper has been specially developed to create a "star point" and is used on motor terminal boards equipped with rail-mount terminal blocks TOPJOB® S.



This delta jumper has been specially developed to create a delta configuration and is used on motor terminal boards equipped with rail-mount terminal blocks TOPJOB® S.



Collective jumper carrier

# Push-In Type Wire Jumper TOPJOB® S 2009 Series

Technical Data 800 V / 8 kV / 3 I<sub>N</sub> 9 A









Push-in type wire jumpers common terminal blocks over longer distances and across multiple levels.

Push-in type wire jumper; insulated; 0.75 mm² conductor cross-section; for 2000, 2020 and 2200 Series Rail-Mount Terminal Blocks; gray

	Item No.	Pack. Unit
L = 60 mm	2009-402	100 (10)
L = 110 mm	2009-404	100 (10)
L = 250 mm	2009-406	100 (10)

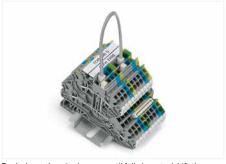
Push-in type wire jumper; insulated; 1.5 mm² conductor cross-section; for 2001, 2002, 2003, 2022, 2201 and 2202 Series Rail-Mount Terminal Blocks; black

	Item No.	Pack. Unit
L = 60 mm	2009-412	100 (10)
L = 110 mm	2009-414	100 (10)
L = 250 mm	2009-416	100 (10)

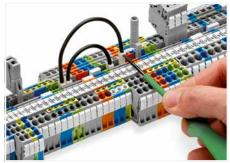


Push-in type wire jumper; insulated; L = 110 mm; 1.5 mm<sup>2</sup> conductor cross-section; for 2001, 2002, 2003, 2022, 2201 and 2202 Series Rail-Mount Terminal Blocks

Color	Item No.	Pack. Unit
red	2009-414/000-005	100 (10)
blue	2009-414/000-006	100 (10)



Push down the wire jumper until fully inserted. Lift the jumper with an operating tool for rewiring.



Push down the wire jumper until fully inserted. Lift the jumper with an operating tool for rewiring.

# Vertical Jumper TOPJOB® S 2000 Series and 2002 Series

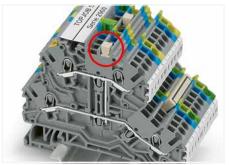
Technical Data 500 V / 6 kV / 3 I<sub>N</sub> 13.5 A Technical Data 500 V / 6 kV / 3 I<sub>N</sub> 24 A



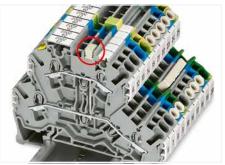


Double-deck vertical jumper; insulated		
Color	Item No.	Pack. Unit
light gray	2000-492	100 (25)

Double-deck vertical jumper; insulated		
Color	Item No.	Pack. Unit
light gray	2002-492	100 (25)
orange	2002-492/000-012	100 (25)



Commoning two levels via double-deck vertical jumper (2000-492).



Commoning two levels via double-deck vertical jumper (2002-492).



2000-493



100 (25)



Triple-deck vertical j	umper; insulated	
Color	Item No.	Pack. Unit
<ul><li>light gray</li></ul>	2002-493	100 (25)



Commoning three levels via triple-deck vertical jumper (Item No. 2002-493).



Created for double- and triple-deck terminal blocks TOPJOB® S, the vertical jumpers can common two or three levels. Clearly marked numerals ("2" and "3") distinguish the double-deck (2002-492) and triple-deck vertical jumpers (2002-493), even when inserted.

Color light gray

# Disconnect plug, Blind Plug for Carrier Terminal Block TOPJOB® S 2002 Series and 2006 Series

Technical Data 400 V / 6 kV / 3 I<sub>N</sub> 10 A Technical Data 800 V / 8 kV / 3 I<sub>N</sub> 30 A







Disconnect plug for carrier terminal blocks; suitable when using a carrier terminal block as disconnect terminal block

Color	Item No.	Pack. Unit
orange	2002-401	100 (25)

Disconnect plug for carrier terminal blocks; suitable when using a carrier terminal block as disconnect terminal block

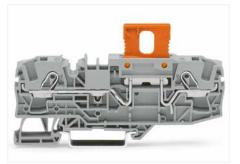
Color	Item No.	Pack. Unit
orange	2006-401	100 (25)
O white	2006-401/000-050	100 (25)

Blind plug for carrier terminal block; indicates a disconnection

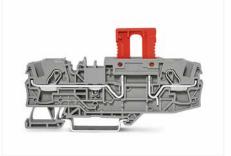
Color	Item No.	Pack. Unit
red	2006-451	100 (25)



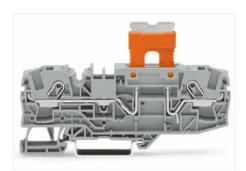
Carrier terminal block (Item No. 2002-1661) with disconnect plug (Item No. 2002-401) in operating position



Carrier terminal block (Item No. 2006-401) with disconnect plug (Item No. 2006-1661) in operating position



Blind plug (Item No. 2006-451) for carrier terminal block; indicates a disconnection



Carrier terminal block (Item No. 2006-401) with disconnect plug (Item No. 2006-1661) in parked position

## Lockout Cap TOPJOB® S 2002 Series and 2006 Series





Lockout cap; for conductor entry and operating slot		
Item No.	Pack. Unit	
2002-192	25	
2002-191	25	
2002-194	25	
	Item No. 2002-192 2002-191	

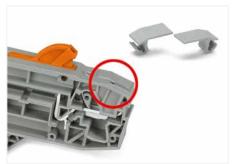
Lockout cap; for conductor entry and operating slot				
Color Item No. Pack. Unit				
gray	2006-191	25		
0 0 ,				



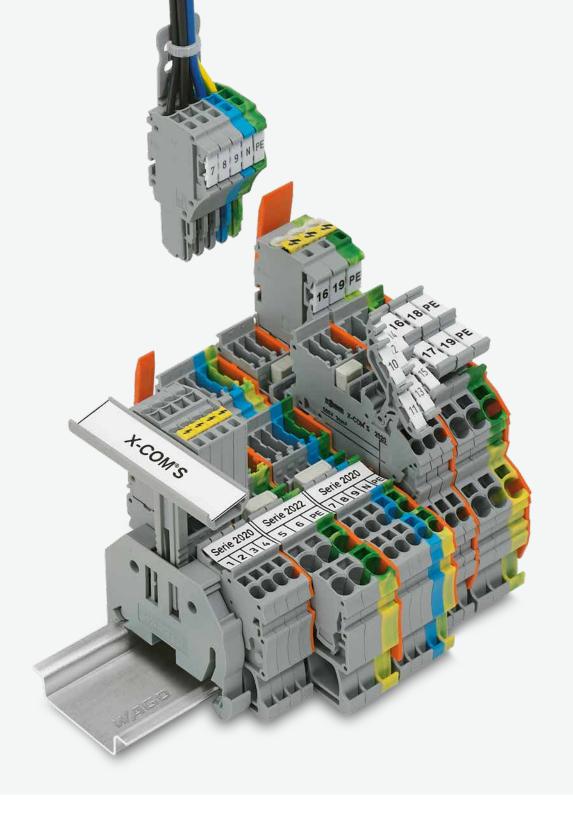
Creating spacer housings for electric motor wiring railmount terminal blocks via lockout caps (Item No. 2002-192) for conductor entry and operating slot.



Cover (Item No. 2006-191) seals unused conductor entry.



Cover (Item No. 2006-191) seals unused conductor entry.



# WAGO Rail-Mount Terminal Blocks with a Pluggable Connector X-COM®S-SYSTEM

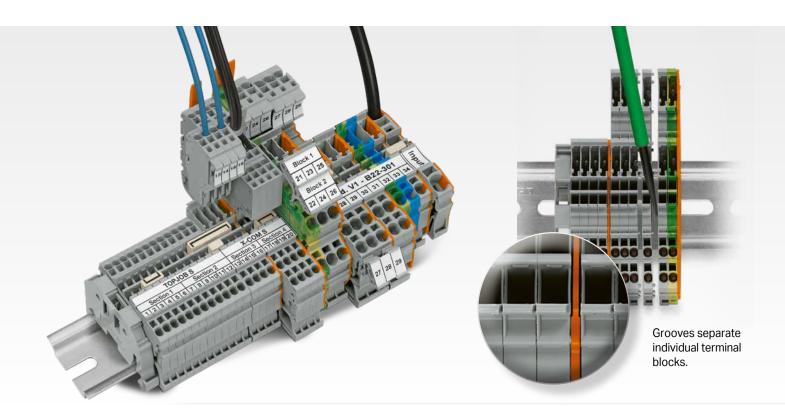
## WAGO Rail-Mount Terminal Blocks with a Pluggable Connector X-COM®S-SYSTEM

			Page
	X-COM®S-SYSTEM-MINI Through Carrier Terminal Blocks and Ground Conductor Carrier Terminal Blocks 0.14 1 (1.5) mm² (24 16 AWG)	2020 Series	196
	Double-Deck Carrier Terminal Blocks 0.14 1 (1.5) mm² (24 16 AWG)	2020 Series	198
Pole	1-Conductor Female Plugs and 2-Conductor Female Plugs 0.14 1 (1.5) mm <sup>2</sup> (24 16 AWG)	2020 Series	200
	1-Conductor Female Plugs and 2-Conductor Female Plugs for Self-Assembly 0.14 1 (1.5) mm² (24 16 AWG)	2020 Series	202
Pole	1-Conductor Female Plugs and 2-Conductor Female Plugs with Lateral Locking Levers and Strain Relief Plates 0.14 1 (1.5) mm² (24 16 AWG)	2020 Series	208
	X-COM®S-SYSTEM Through Carrier Terminal Blocks and Ground Conductor Carrier Terminal Blocks; with/without Push-Buttons 0.25 2.5 (4) mm² (22 12 AWG)	2222/2022 Series	212
D 0 1	Double-Deck Carrier Terminal Blocks 0.25 2.5 (4) mm <sup>2</sup> (22 12 AWG)	2022 Series	218
	1-Conductor Female Plugs 0.25 2.5 (4) mm <sup>2</sup> (22 12 AWG)	2022 Series	220
	1-Conductor Female Plugs for Self-Assembly 0.25 2.5 (4) mm <sup>2</sup> (22 12 AWG)	2022 Series	222
Pole	1-Conductor Female Plugs with Lateral Locking Levers and Strain Relief Plates 0.25 2.5 (4) mm² (22 12 AWG)	2022 Series	226
	X-COM®S-SYSTEM, for Ex ec Applications Through Carrier Terminal Blocks and Ground Conductor Carrier Terminal Blocks; with/without Push-Buttons Double-Deck Carrier Terminal Blocks 0.25 2.5 (4) mm² (22 12 AWG)	2222/2022 Series	228
Pole	1-Conductor Female Plugs 0.25 2.5 (4) mm <sup>2</sup> (22 12 AWG)	2022 Series	236



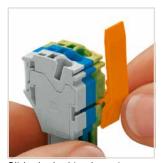
# Pluggable rail-mount terminal blocks

## X-COM®S-SYSTEM and X-COM®S-SYSTEM-MINI



### X-COM®S-SYSTEM and X-COM®S-SYSTEM-MINI

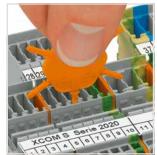
- COM-bine pluggable connectors and rail-mount terminal blocks
- X-COM®S-SYSTEM (2022 Series): up to 4 mm² (12 AWG) at 32 A
- X-COM®S-SYSTEM-MINI (2020 Series): up to 1.5 mm<sup>2</sup> (16 AWG) at just 3.5 mm (0.137 inch) terminal block wide
- Save time and money via pre-assembled components
- Preassembled units can be tested before installation
- Components can be quickly and reliably replaced due to 100% mismating and touch-proof protection



Slide the locking lever into position.



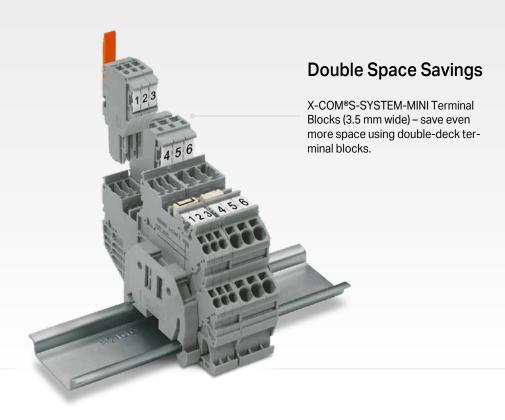
Female plugs can be individually locked.



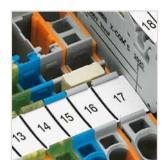
Insert coding pin into the corresponding slot and twist it off



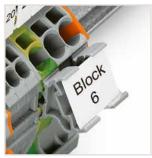
Remove the coding finger using a cutting tool.



- X-COM®S-SYSTEM and X-COM®S-SYSTEM-MINI Female Plugs are modular.
- Female plug assemblies up to a maximum of 15 poles can be customized.
- X-COM®S-SYSTEM-MINI Female Plugs do not have an integrated end plate; an end plate must be used at the end of the carrier terminal block assembly.



X-COM®S-SYSTEM Terminal Blocks can be commoned using Jumpers TOPJOB® S. An end plate provides connection to Terminal Blocks TOPJOB® S. 2020 and 2022 Series Terminal Blocks are combinable.



Additional marking option via snap-on type adapter



Test plug adapter (CAT I) for 4 mm test plugs or banana plugs – also suitable for X-COM®S-SYSTEM- MINI Terminal Blocks



Carrier terminal blocks and female plugs are touch-proof.

# X-COM®S-SYSTEM-MINI; 2020 Series X-COM®S-SYSTEM; 2022 Series

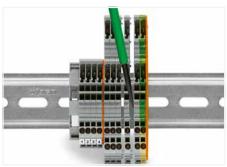
### Description and Installation



Snap individual carrier terminal blocks onto the DIN-rail and slide together.

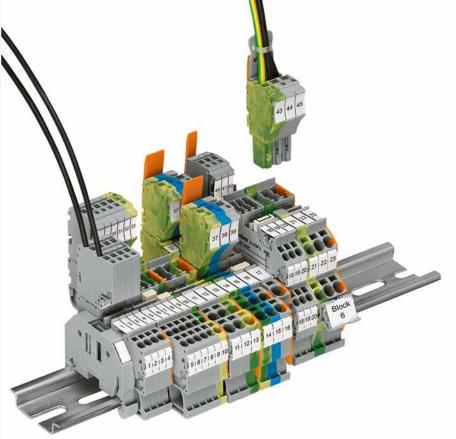


Open the assembly by laterally sliding a block via operating tool (3.5 x 0.5 mm blade).





Carrier terminal blocks and female plugs are touch-proof.

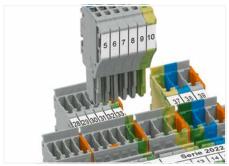




Insert coding pin into the corresponding slot and twist it off.  $% \label{eq:controlled}%$ 



Coding a female plug: remove coding finger using a suitable tool.



Insert coded female connector into X-COM®S-SYSTEM terminal block assembly.



Push-in CAGE CLAMP® terminates the following copper conductors: solid "s"

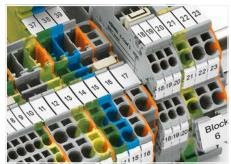


stranded "st"



fine-stranded "f-st", also with tinned single strands

W/AGO



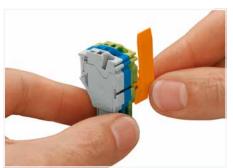
Commoning X-COM®S-SYSTEM Terminal Blocks using jumpers for Terminal Blocks TOPJOB® S. An end plate provides connection to Terminal Blocks TOPJOB® S. 2020 and 2022 Series Terminal Blocks are combinable. Jumper slots are on the same level for both series.



Pairing push-in comb style jumpers.



Commoning with push-in type wire jumper.



Slide the locking lever into position.



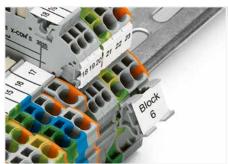
Female plugs can be individually locked.



Test plug adapter (Item No. 2009-174) for 4 mm test plugs or banana plugs – also suitable for X-COM®S-SYSTEM-MINI Terminal Blocks.



Clear marking via large marking area



Marker carrier (Item No. 2009-198)



fine-stranded, tip-bonded



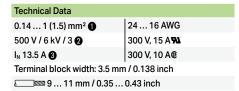
fine-stranded, with ferrule (gastight crimped)



fine-stranded, with pin terminal (gastight crimped)

## 1-Conductor/1-Pin Carrier Terminal Block, 2-Conductor/1-Pin Carrier Terminal Block, 2-Conductor/2-Pin Carrier Terminal Block X-COM®S-SYSTEM-MINI

### 1 (1.5) mm<sup>2</sup>; 2020 Series



Technical Data	
0.14 1 (1.5) mm <sup>2</sup>	24 16 AWG
	300 V, 15 A <b>9A</b>
I <sub>N</sub> 13.5 A 3	300 V, 10 A@
Terminal block width: 3.5 mm	n / 0.138 inch
5 ■ 9 11 mm / 0.35	0.43 inch

Technical Data			
0.14 1 (1.5) mm <sup>2</sup>	24 16 AWG		
500 V / 6 kV / 3 <b>2</b>	300 V, 15 A <b>RL</b>		
I <sub>N</sub> 13.5 A <b>③</b>	300 V, 10 A@		
Terminal block width: 3.5 mm / 0.138 inch			
9 11 mm / 0.35 0.43 inch			



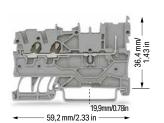
1-conductor/1-pin carrier terminal block			
Color	Item No.	Pack. Unit	
gray	2020-1201	50	
blue	2020-1204	50	

green-yello	ow 2020-1	1207	50	
Accessories; item-specific				
End and intermediate plate; 1 mm thick				
	orange	2020-1292	100 (25)	

2020-1291

100 (25)

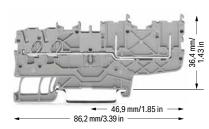
1-conductor/1-pin ground carrier terminal block



2-conductor/1-pin carrier terminal block			
Color	Item No.	Pack. Unit	
gray	2020-1301	50	
blue	2020-1304	50	



2-conductor/1-pin ground carrier terminal block

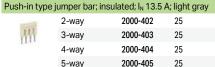


2-conductor/2-pin carrier terminal block			
Color	Item No.	Pack. Unit	
gray	2020-1401	50	
blue	2020-1404	50	

green-yellow	2020-1407	50
Accessories; item-sp	ecific	
End and intermediate	plate; 1 mm thick	
orange	2020-1492	2 100 (25)
gray	2020-1491	100 (25)

2-conductor/2-pin ground carrier terminal block

### Accessories; 2020 Series



2000-405 25 6-way 2000-406 25 7-way 2000-407 25 2000-408 25 8-way 2000-409 25 9-way 10-way 2000-410 25

Push-in type j	umper bar; insul	ated; I <sub>N</sub> 13.5 A	; light gray
THE REAL PROPERTY.	1 to 3	2000-433	25
1	1 to 4	2000-434	25
	1 to 5	2000-435	25
	1 to 6	2000-436	25
	1 to 7	2000-437	25
	1 to 8	2000-438	25
	1 to 9	2000-439	25
	1 to 10	2000-440	25

Delta jumper; insulated;  $I_N = I_N$  terminal block; light gray 1-2 3-4 5-6 2000-406/020-000 25

Star point jumper; insulated;  $I_N$  =  $I_N$  terminal block; light

1-3-5

Push-in type wire jumper; insulated; 0.75 mm² conductor cross-section; I<sub>N</sub> 9 A

 $L = 60 \, \text{mm}$ 2009-402 100 (10) L = 110 mm 2009-404 100 (10) L = 250 mm 2009-406 100 (10)

2000-405/011-000

25

### Appropriate marking systems: WMB/WMB Inline/Marking strips

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks yellow 2000-115 100 (25)

Carrier with 6 coding pins; for coding female plugs 2020-100 orange

Test pin; 1 mm Ø 859-500 1

Test plug adapter; for 4 mm Ø test plug; I <sub>N</sub> 10 A				
1	gray	2009-174	100 (25)	
Testing tap;	for max. 2.5	mm²		
	gray	2009-182	100 (25)	

1-conducto	r female plug			
P	gray	2020-102	100	

2-conduct	or female plug			
	gray	2020-202	100	

### Marking strip; plain; 11 mm wide; 50 m reel

2009-110

WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel 2009-113

WMB marking card; white; 10 strips with 10 markers/card;

for 3.5 mm terminal block width plain 793-3501



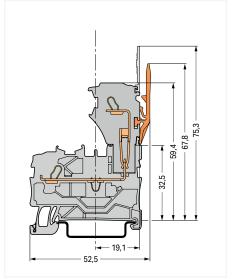
- Conductor range: 0.14 ... 1.5 mm² "s+f-st"; Push-in termination: 0.5 ... 1.5 mm² "s" and 0.5 ... 0.75 mm² "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 500 V = rated voltage6 kV = rated impulse voltage3 = pollution degree
- 3 Current-carrying capacity curves upon request

### Note:

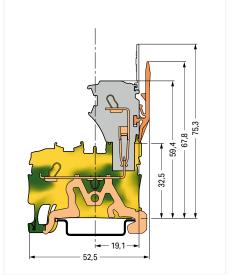
When used as intended, female plugs must not be connected/disconnected when live or under load. An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

Please observe the application notes: Jumpers, from page 182 Testing accessories, page 181 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



Carrier terminal block

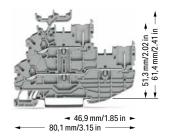


Ground carrier terminal block



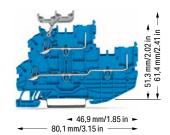
## 1-Conductor/1-Pin Double-Deck Carrier Terminal Block X-COM®S-SYSTEM-MINI 1 (1.5) mm<sup>2</sup>; 2020 Series

□ 9 ... 11 mm / 0.35 ... 0.43 inch



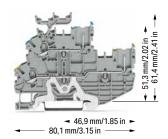
1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
○ L/L	2020-2231	50
○ N/L	2020-2232	50
○ L/N	2020-2233	50



1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; with marker carrier; blue

	Item No.	Pack. Unit
● N/N	2020-2234	50



1-conductor/1-pin double-deck carrier terminal block; ground conductor/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
O PE/N	2020-2247	50
O PE/L	2020-2257	50

1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; without marker carrier; gray

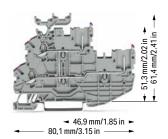
○ L/L	2020-2201	50
○ N/L	2020-2202	50
○ L/N	2020-2203	50

1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; without marker carrier; blue

● N/N	2020-2204	50

1-conductor/1-pin double-deck carrier terminal block; ground conductor/through terminal block; without marker carrier; gray

$\bigcirc$	PE/N	2020-2217	50
$\bigcirc$	PE/L	2020-2227	50

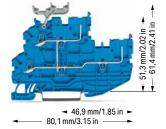


2-conductor/2-pin double-deck carrier terminal block; 2-conductor/2-pin through terminal block; with marker carrier, internally commoned; violet conductor entry; gray

	Item No.	Pack. Unit
○ L	2020-2238	50

2-conductor/2-pin double-deck carrier terminal block; 2-conductor/2-pin through terminal block; without marker carrier, internally commoned; violet conductor entry; gray

O L	2020-2208	50
_		

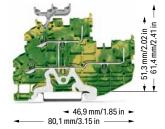


2-conductor/2-pin double-deck carrier terminal block; 2-conductor/2-pin through terminal block; with marker carrier, internally commoned; violet conductor entry; blue

	Item No.	Pack. Unit
N	2020-2239	50

2-conductor/2-pin double-deck carrier terminal block; 2-conductor/2-pin through terminal block; without marker carrier, internally commoned; violet conductor

N	2020-2209	50



2-conductor/2-pin double-deck carrier block; 2-conductor/2-pin ground conductor block; with marker carrier; internally commoned; green-yellow

	item No.	Pack. Unit
O PE	2020-2237	50

2-conductor/2-pin double-deck carrier block; 2-conductor/2-pin ground conductor block; without marker carrier; internally commoned; green-yellow

- Conductor range: 0.14 ... 1.5 mm<sup>2</sup> "s+f-st"; Push-in termination: 0.5 ... 1.5 mm<sup>2</sup> "s" and 0.5 ... 0.75 mm² "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 500 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree
- 3 Current-carrying capacity curves upon request

When used as intended, female plugs must not be connected/disconnected when live or under load. An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

Please observe the application notes: Jumpers, from page 182 Testing accessories, page 181 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

### Accessories; 2020 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

### End and intermediate plate; 1 mm thick



orange	2020-2292	100 (25)
gray	2020-2291	100 (25)

### Push-in type jumper bar; insulated; I<sub>N</sub> 13.5 A; light gray



2-way	2000-402	25	
3-way	2000-403	25	
4-way	2000-404	25	
5-way	2000-405	25	
6-way	2000-406	25	
7-way	2000-407	25	
8-way	2000-408	25	
9-way	2000-409	25	
10-way	2000-410	25	

### Push-in type jumper bar; insulated; $I_N$ 13.5 A; light gray



2000-433 1 to 3 25 1 to 4 2000-434 25 1 to 5 2000-435 25 1 to 6 2000-436 25 1 to 7 2000-437 25 2000-438 1 to 8 25 1 to 9 2000-439 25 1 to 10 2000-440 25

2000-492

### Double-deck vertical jumper; insulated; $I_N$ 13.5 A



Protective warning marker; with black high-voltage symbol; for 5 terminal blocks



yellow

2000-115

100 (25)

100 (25)

### Carrier with 6 coding pins; for coding female plugs



orange

2020-100

100 (25)

### Test pin; 1 mm Ø



859-500

### Accessories; 2020 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

### Test plug adapter; for 4 mm Ø test plug; $I_N$ 10 A



2009-174

100 (25)

### Testing tap; for max. 2.5 mm<sup>2</sup>



2009-182 100 (25)

### 1-conductor female plug



2020-102 100

### 2-conductor female plug



2020-202 100 gray

### Marking strip; plain; 11 mm wide; 50 m reel



2009-110 white

### WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel



white 2009-113

### WMB marking card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width



793-3501

### Double-deck marker carrier; pivoting



gray

2000-121 50 (25)



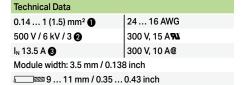
Size comparison: Double-deck carrier terminal blocks with 3.5 mm and 5.2 mm terminal block widths

# 1-Conductor Female Plug, 2-Conductor Female Plug X-COM®S-SYSTEM-MINI 1 (1.5) mm²; 2020 Series

# Technical Data 0.14 ... 1 (1.5) mm² ↑ 24 ... 16 AWG 500 V / 6 kV / 3 ♀ 300 V, 15 A ₹\/\dot\ I<sub>N</sub> 13.5 A ♠ 300 V, 10 A ♠

Module width: 3.5 mm / 0.138 inch

€ 9 ... 11 mm / 0.35 ... 0.43 inch





Conductor range: 0.14 ... 1.5 mm² "s+f-st"; Push-in termination: 0.5 ... 1.5 mm² "s" and 0.5 ... 0.75 mm² "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

500 V = rated voltage6 kV = rated impulse voltage3 = pollution degree

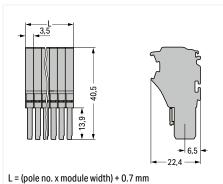
3 Current-carrying capacity curves upon request

ltem no. suffixes blue .../000-006 green-yellow .../000-016

Approvals and corresponding ratings, visit www.wago.com



Dimensions (in mm):

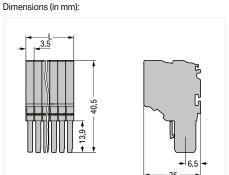


1-conductor female plug; fits into carrier terminal blocks; codable; gray

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

Notice: An appropriate end plate must be applied to the

carrier terminal blocks after each female plug.		
Pole No.	Item No.	Pack. Unit
O 2	2020-102	100
3	2020-103	50
O 4	2020-104	50
O 5	2020-105	50
O 6	2020-106	50
O 7	2020-107	25
○ 8	2020-108	25
O 9	2020-109	25
O 10	2020-110	25
O 11	2020-111	20
O 12	2020-112	20
O 13	2020-113	10
O 14	2020-114	10
O 15	2020-115	10



L = (pole no. x module width) + 0.7 mm

2-conductor female plug; fits into carrier terminal blocks; codable; gray

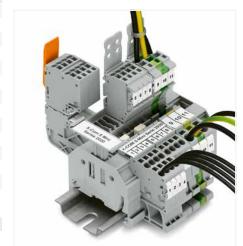
According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

Notice: An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

Pole No.	item No.	Pack. Unit
O 2	2020-202	100
○ 3	2020-203	50
O 4	2020-204	50
○ 5	2020-205	50
O 6	2020-206	25
O 7	2020-207	25
○ 8	2020-208	25
O 9	2020-209	25
O 10	2020-210	25
O 11	2020-211	20
O 12	2020-212	20
O 13	2020-213	10
O 14	2020-214	10
O 15	2020-215	10



 $\hbox{X-COM}{}^{\tiny{\textcircled{\scriptsize 0}}}\hbox{S-SYSTEM terminal block assembly}$ 



X-COM®S-SYSTEM terminal block assembly

### Accessories; for female plugs

Appropriate marking systems: WMB/WMB Inline

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow 2000-115 100 (25)

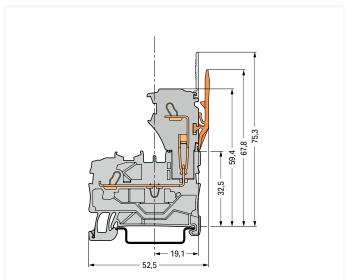
Carrier with 6	coding pin	s; for coding femal	e plugs
1	orange	2020-100	100 (25)

Locking lever	; 4.8 mm wide		
	orange	2022-142	100 (25)
105	gray	2022-141	100 (25)
Locking lever	; 9.6 mm wide		
	orange	2022-152	100 (25)
-	gray	2022-151	100 (25)

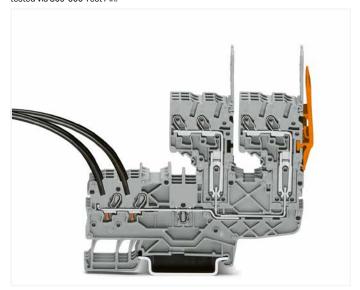
## Carrier Terminal Blocks and 1-/2-Conductor Female Plugs X-COM®S-SYSTEM-MINI Types of Assembly



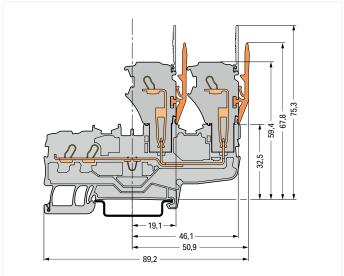
1-conductor female plug Carrier terminal blocks can be commoned via 2000 Series Push-In Type Jumper Bars and tested via 859-500 Test Pin.



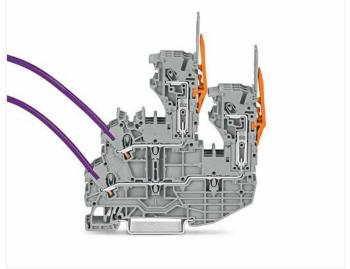
Carrier terminal block



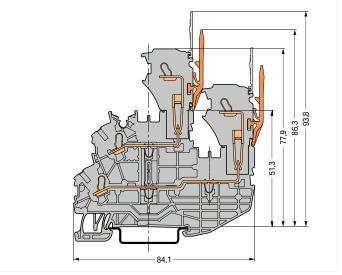
2-conductor female plug Carrier terminal blocks can be commoned via 2000 Series Push-In Type Jumper Bars and tested via 859-500 Test Pin.



Carrier terminal block



1-conductor female plug Double-deck carrier terminal blocks can be commoned via 2000 Series Push-In Type Jumper Bars and tested via 859-500 Test Pin.



Double-deck carrier terminal block



## Female Plug for Self-Assembly X-COM®S-SYSTEM-MINI

## 1 (1.5) mm<sup>2</sup>; 2020 Series

Technical Data		
	24 16 AWG	
500 V / 6 kV / 3 2	300 V, 15 A <b>9</b> 3	
I <sub>N</sub> 13.5 A 🔞	300 V, 10 A®	
Terminal block width: 3.5 mm / 0.138 inch		
9 11 mm / 0.35 0.43 inch		

Technical Data			
0.14 1 (1.5) mm		24 16 AWG	
500 V / 6 kV / 3 🛭		300 V, 15 A <b>9</b>	
I <sub>N</sub> 13.5 A <b>③</b>		300 V, 10 A@	
Terminal block width: 3.5 mm / 0.138 inch			
	/ 0.25	0.42 in ab	





0	Conductor range: 0.14 1.5 mm² "s+f-st";
-	Push-in termination: 0.5 1.5 mm <sup>2</sup> "s" and
	0.5 0.75 mm <sup>2</sup> "insulated ferrules; 10 mm"
	Depending on the conductor characteristic, a conduc-
	tor with a smaller cross section can also be inserted
	via push-in termination.

- 2 500 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree
- 3 Current-carrying capacity curves upon request

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load. Notice: An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

Approvals and corresponding ratings, visit www.wago.com

1-conductor end module; codable			
Color	Item No.	Pack. Unit	
gray	2020-181	250	
blue	2020-184	250	
green-yellow	2020-187	250	

2-conductor end module; codable			
Color	Item No.	Pack. Unit	
gray	2020-281	250	
blue	2020-284	250	
green-yellow	2020-287	250	

1-conductor base module; with end plate; codable				
$\bigcirc$	gray	2020-161	250	
	blue	2020-164	250	
	green-yellow	2020-167	250	

2-conductor base module; with end plate; codable				
gray	2020-261	250		
blue	2020-264	250		
green-yellow	2020-267	250		

### Accessories; for female plugs

Appropriate marking systems: WMB/WMB Inline

### Protective warning marker; with black high-voltage symbol; for 5 terminal blocks



yellow 2000-115

### Carrier with 6 coding pins; for coding female plugs



Locking lever; 4.8 mm wide					
	orange	2022-142	100 (25)		
105	gray	2022-141	100 (25)		

Locking lever; 9.6 mm wide					
	orange	2022-152	100 (25)		
-4	gray	2022-151	100 (25)		

Strain relief plate; gray				
88	35 mm wide	734-326	100 (25)	
	6 mm wide	734-327	100 (25)	
	12.5 mm wide	734-328	100 (25)	
	25 mm wide	734-329	100 (25)	
WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel				
	udeite	2000 112	1	

WMB marking card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width



793-3501

### **Customizing Modular Female Plugs**

WAGO's modular X-COM®S-SYSTEM female plugs can be customized for applications requiring varying numbers of poles (e.g., when designing prototypes).

### Modules and Pole Numbers

A customized X-COM®S-SYSTEM-MINI female plug consists of:

- One base module with end plate
- Up to 14 end modules

### Intended Use

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

### Mounting

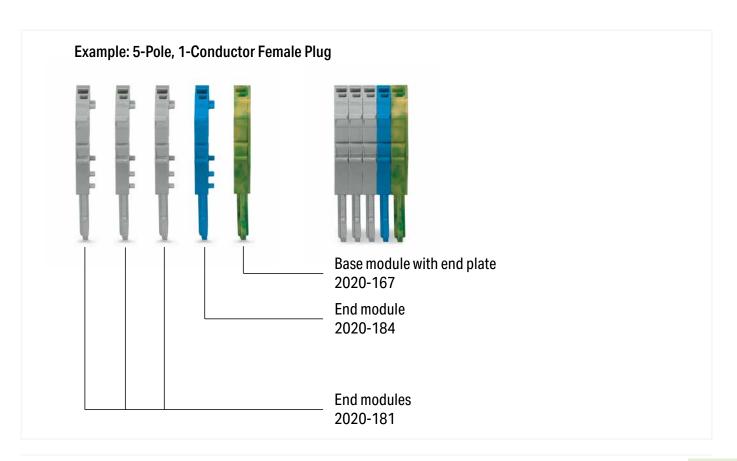
The appropriate mounting tool shall be used in order to guarantee that the individual modules are properly attached to each other without damaging the locking





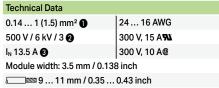
End module

Base module



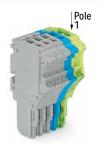
## Pre-Assembled 1-Conductor Female Plug X-COM®S-SYSTEM-MINI

## 1 (1.5) mm<sup>2</sup>; 2020 Series









	1-conductor female plug; with ground base module (green-yellow); fits into carrier terminal blocks; codable				
Pole No. Item No. Pack.					
	3	2020-103/000-036	50		
	4	2020-104/000-036	50		
	5	2020-105/000-036	50		
	6	2020-106/000-036	50		
	7	2020-107/000-036	25		
	8	2020-108/000-036	25		
	9	2020-109/000-036	25		
	10	2020-110/000-036	25		
	11	2020-111/000-036	20		
	12	2020-112/000-036	20		
	13	2020-113/000-036	10		
	14	2020-114/000-036	10		
	15	2020-115/000-036	10		

1	harman salah mana ang alamadan			
1-conductor female plug; with ground end module (green-yellow); fits into carrier terminal blocks; codable				
Pole No.	Pole No. Item No. Pack. U			
3	2020-103/000-037	50		
4	2020-104/000-037	50		
5	2020-105/000-037	50		
6	2020-106/000-037	50		
7	2020-107/000-037	25		
8	2020-108/000-037	25		
9	2020-109/000-037	25		
10	2020-110/000-037	25		
11	2020-111/000-037	20		
12	2020-112/000-037	20		
13	2020-113/000-037	10		
14	2020-114/000-037	10		
15	2020-115/000-037	10		

-					
	1-conductor female plug; with ground base module (green-yellow); fits into carrier terminal blocks; codable				
P	ole No.	Item No.	Pack. Unit		
3	1	2020-103/000-038	50		
4		2020-104/000-038	50		
5		2020-105/000-038	50		
6	i	2020-106/000-038	50		
7	•	2020-107/000-038	25		
8	}	2020-108/000-038	25		
9		2020-109/000-038	25		
1	0	2020-110/000-038	25		
1	1	2020-111/000-038	20		
1	2	2020-112/000-038	20		
1	3	2020-113/000-038	10		
1	4	2020-114/000-038	10		
1	5	2020-115/000-038	10		

### Accessories; for female plugs

Appropriate marking systems: WMB/WMB Inline/Marking strips

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks



Marking strip; plain; 11 mm wide; 50 m reel				
0	white	2009-110	1	
900				

WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel

white

2009-113





Locking lever; 4.8 mm wide				
	orange	2022-142	100 (25)	
105	gray	2022-141	100 (25)	

Locking lever; 9.6 mm wide				
	orange	2022-152	100 (25)	
-4	gray	2022-151	100 (25)	

Strain relief plate; gray					
100	35 mm wide	734-326	100 (25)		
00	6 mm wide	734-327	100 (25)		
	12.5 mm wide	734-328	100 (25)		
	25 mm wide	734-329	100 (25)		

## WMB marking card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width

for 3.5 mm terminal block width

plain 793-3501 5



### **Technical Data**

0.14 ... 1 (1.5) mm<sup>2</sup> 500 V / 6 kV / 3 2 I<sub>N</sub> 13.5 A 🔞

24 ... 16 AWG 300 V, 15 A 🕦 300 V, 10 A@

Module width: 3.5 mm / 0.138 inch

 $\blacksquare \blacksquare \blacksquare 9 \dots 11$  mm / 0.35  $\dots$  0.43 inch



Conductor range: 0.14 ... 1.5 mm² "s+f-st"; Push-in termination: 0.5 ... 1.5 mm<sup>2</sup> "s" and 0.5 ... 0.75 mm<sup>2</sup> "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

2 500 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree

3 Current-carrying capacity curves upon request

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load. Notice: An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

Approvals and corresponding ratings, visit www.wago.com

Pole No.	Item No.	Pack. Unit
3	2020-103/000-039	50
4	2020-104/000-039	50
5	2020-105/000-039	50
6	2020-106/000-039	50
7	2020-107/000-039	25
8	2020-108/000-039	25
9	2020-109/000-039	25

1-conductor female plug; with ground end module (green-yellow); fits into carrier terminal blocks; codable

10 2020-110/000-039 25 11 2020-111/000-039 20 12 2020-112/000-039 20 13 2020-113/000-039 10 2020-114/000-039 10 14

2020-115/000-039

10

15



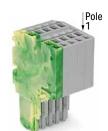
## Pre-Assembled 2-Conductor Female Plug X-COM®S-SYSTEM-MINI

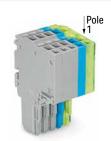
## 1 (1.5) mm<sup>2</sup>; 2020 Series

Technical Data			
0.14 1 (1.5) mm <sup>2</sup>	24 16 AWG		
500 V / 6 kV / 3 2 300 V, 15 A 71			
I <sub>N</sub> 13.5 A 🔞	300 V, 10 A@		
Module width: 3.5 mm / 0.138 inch			
0 11 mm / 0.25	0.43 inch		









2-conductor female plug; with ground base module (green-yellow); fits into carrier terminal blocks; codable			
Pole No.	Pole No. Item No.		
3	2020-203/000-036	50	
4	2020-204/000-036	50	
5	2020-205/000-036	50	
6	2020-206/000-036	50	
7	2020-207/000-036	25	
8	2020-208/000-036	25	
9	2020-209/000-036	25	
10	2020-210/000-036	25	
11	2020-211/000-036	20	
12	2020-212/000-036	20	
13	2020-213/000-036	10	
14	2020-214/000-036	10	
15	2020-215/000-036	10	

(green-yellow); fits into carrier terminal blocks; codable		
Pole No.	Pack. Unit	
3	2020-203/000-037	50
4	2020-204/000-037	50
5	2020-205/000-037	50
6	2020-206/000-037	50
7	2020-207/000-037	25
8	2020-208/000-037	25
9	2020-209/000-037	25
10	2020-210/000-037	25
11	2020-211/000-037	20
12	2020-212/000-037	20
13	2020-213/000-037	10
14	2020-214/000-037	10
15	2020-215/000-037	10

2-conductor female plug; with ground base module (green-yellow); fits into carrier terminal blocks; codable			
Pole No.	Item No.	Pack. Unit	
3	2020-203/000-038	50	
4	2020-204/000-038	50	
5	2020-205/000-038	50	
6	2020-206/000-038	50	
7	2020-207/000-038	25	
8	2020-208/000-038	25	
9	2020-209/000-038	25	
10	2020-210/000-038	25	
11	2020-211/000-038	20	
12	2020-212/000-038	20	
13	2020-213/000-038	10	
14	2020-214/000-038	10	
15	2020-215/000-038	10	

Accessories; for female plugs

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

symbol; for 5 terminal blocks

min

yellow 2000-115 100 (25)

Carrier with 6 coding pins; for	coding female plugs
---------------------------------	---------------------

		-, J	1 3 -
1	orange	2020-100	100 (25)
東			

Locking lever; 4.8 mm wide			
	orange	2022-142	100 (25)
105	gray	2022-141	100 (25)

Locking lever; 9.6 mm wide				
	orange	2022-152	100 (25)	
-4	gray	2022-151	100 (25)	

Strain relief plate; gray			
0.0	35 mm wide	734-326	100 (25)
00	6 mm wide	734-327	100 (25)
S.	12.5 mm wide	734-328	100 (25)
	25 mm wide	734-329	100 (25)
WMB Inline: plain: 2.300 WMB markers (3.5 mm)/reel			

WMB marking card; white; 10 strips with 10 markers/card;

for 3.5 mm terminal block width plain 793-3501

white

Appropriate marking systems: WMB/WMB Inline



2009-113

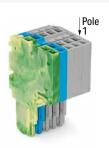
### Technical Data

0.14 ... 1 (1.5) mm<sup>2</sup> 1 500 V / 6 kV / 3 2 I<sub>N</sub> 13.5 A 3

24 ... 16 AWG 300 V, 15 A**RU** 300 V, 10 A@

Module width: 3.5 mm / 0.138 inch

€ 9 ... 11 mm / 0.35 ... 0.43 inch



- Conductor range: 0.14 ... 1.5 mm² "s+f-st"; Push-in termination: 0.5 ... 1.5 mm² "s" and 0.5 ... 0.75 mm² "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 500 V = rated voltage6 kV = rated impulse voltage3 = pollution degree
- 3 Current-carrying capacity curves upon request

### Note

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

Notice: An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

Approvals and corresponding ratings, visit www.wago.com

2-conductor female plug; with ground end module		
(green-yellow); fits into carrier terminal blocks; coda		
Pole No.	Item No.	Pack. Unit
3	2020-203/000-039	50
4	2020-204/000-039	50
5	2020-205/000-039	50
6	2020-206/000-039	50
7	2020-207/000-039	25
8	2020-208/000-039	25
9	2020-209/000-039	25
10	2020-210/000-039	25
11	2020-211/000-039	20
12	2020-212/000-039	20
13	2020-213/000-039	10
14	2020-214/000-039	10
15	2020-215/000-039	10



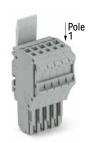
## 1-Conductor Female Plug X-COM®S-SYSTEM-MINI; with Lateral Locking Lever and Strain Relief

## 1 (1.5) mm<sup>2</sup>; 2020 Series

Technical Data		
0.14 1 (1.5) mm <sup>2</sup>	24 16 AWG	
500 V / 6 kV / 3 <b>2</b> 300 V, 15 A <b>9</b>		
I <sub>N</sub> 13.5 A 3	300 V, 10 A®	
Module width: 3.5 mm / 0.138 inch		
■ 9 11 mm / 0.35 0.43 inch		

Technical Data			
0.14 1 (1.5) mm <sup>2</sup>	24 16 AWG		
500 V / 6 kV / 3 <b>2</b>	300 V, 15 A <b>9L</b>		
I <sub>N</sub> 13.5 A <b>③</b>	300 V, 10 A@		
Module width: 3.5 mm / 0.138 inch			
9 11 mm / 0.35 0.43 inch			

Technical Data		
0.14 1 (1.5) mm <sup>2</sup>	24 16 AWG	
500 V / 6 kV / 3 <b>2</b>	300 V, 15 A 👊	
I <sub>N</sub> 13.5 A 🔞	300 V, 10 A@	
Module width: 3.5 mm / 0.138 inch		
911 mm / 0.35 0.43 inch		







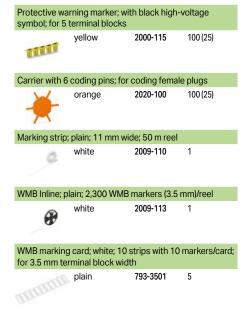
1-conductor female plug; with locking lever; fits into carrier terminal blocks; codable; gray				
Pole No.	Item No.	Pack. Unit		
O 2	2020-102/122-000	100		
O 3	2020-103/122-000	50		
O 4	2020-104/124-000	50		
O 5	2020-105/124-000	50		
O 6	2020-106/124-000	25		
O 7	2020-107/124-000	25		
○ 8	2020-108/124-000	25		
O 9	2020-109/124-000	25		
O 10	2020-110/125-000	25		
O 11	2020-111/125-000	20		
O 12	2020-112/125-000	20		
O 13	2020-113/125-000	10		
O 14	2020-114/125-000	10		
O 15	2020-115/125-000	10		

1-conductor female plug; with strain relief plate; fits into carrier terminal blocks; codable; gray				
Pole No.	Item No.	Pack. Unit		
O 2	2020-102/132-000	100		
O 3	2020-103/132-000	50		
O 4	2020-104/133-000	50		
O 5	2020-105/133-000	50		
O 6	2020-106/133-000	25		
O 7	2020-107/134-000	25		
○ 8	2020-108/134-000	25		
O 9	2020-109/134-000	25		
O 10	2020-110/135-000	25		
O 11	2020-111/135-000	20		
O 12	2020-112/135-000	20		
O 13	2020-113/135-000	10		
O 14	2020-114/135-000	10		
O 15	2020-115/135-000	10		

Pole No.	Item No.	Pack. Unit
O 2	2020-102/142-000	100
O 3	2020-103/142-000	50
O 4	2020-104/143-000	50
O 5	2020-105/143-000	50
O 6	2020-106/143-000	25
O 7	2020-107/144-000	25
<b>8</b>	2020-108/144-000	25
O 9	2020-109/144-000	25
O 10	2020-110/145-000	25
O 11	2020-111/145-000	20
O 12	2020-112/145-000	20
O 13	2020-113/145-000	10
O 14	2020-114/145-000	10
O 15	2020-115/145-000	10

Accessories; for female plugs

Appropriate marking systems: WMB/WMB Inline/Marking strips





793-3501

5

- Conductor range: 0.14 ... 1.5 mm² "s+f-st"; Push-in termination: 0.5 ... 1.5 mm² "s" and 0.5 ... 0.75 mm² "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 500 V = rated voltage6 kV = rated impulse voltage3 = pollution degree
- 3 Current-carrying capacity curves upon request

### Note

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

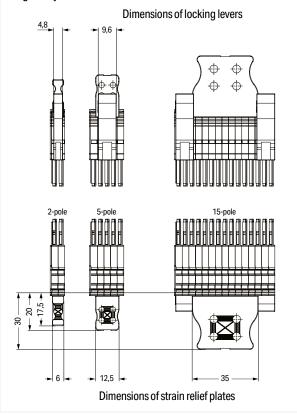
Notice: An appropriate end plate must be applied to

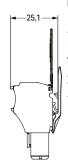
Notice: An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

Approvals and corresponding ratings, visit www.wago.com

Strain Reli	ei Piate (3	orp, Glay	Assembled	Locking Lev	er (LL), Gray	Asse	embled	SRP and LL, Gray Assembled
	SRP			Pole No.	Quantity	1-Way	2-Way	
			Item No.			Item	No.	Item No.
			Suffix			Suff	ix	Suffix
Item No.	Color	Width						
734-327	gray	6mm	/132-0xx	2 to 3	1	/122-0xx	_	/142-0xx
734-328	gray	12.5mm	/133-0xx	4 to 6	1	_	/124-0xx	/143-0xx
734-329	gray	25mm	/134-0xx	7 to 9	1	_	/124-0xx	/144-0xx
734-326	gray	35mm	/135-0xx	10 to 15	2	_	/125-0xx	/145-0xx

For colored female plugs, the item number suffix "xx" must be replaced by the blue "-006" and the green-yellow "-016" color suffix.





Description	Color	Item No.	Suffix No.
1-conductor	gray	2020-102	none
female plug	blue	to	/000-006
2- to 15-pole	green-yellow	2020-115	/000-016



## 2-Conductor Female Plug X-COM®S-SYSTEM-MINI; with Lateral Locking Lever and Strain Relief Plate

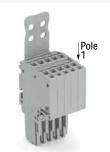
## 1 (1.5) mm<sup>2</sup>; 2020 Series

Technical Data			
0.14 1 (1.5) mm <sup>2</sup>	24 16 AWG		
500 V / 6 kV / 3 2	300 V, 15 A <b>9</b>		
I <sub>N</sub> 13.5 A 3	300 V, 10 A@		
Module width: 3.5 mm / 0.138 inch			
9 11 mm / 0.35 0.43 inch			

Technical Data		
0.14 1 (1.5) mm <sup>2</sup>	24 16 AWG	
500 V / 6 kV / 3 2	300 V, 15 A <b>9N</b>	
I <sub>N</sub> 13.5 A 🔞	300 V, 10 A@	
Module width: 3.5 mm / 0.138 inch		
9 11 mm / 0.35 0.43 inch		

Technical Data			
0.14 1 (1.5) mm <sup>2</sup>	24 16 AWG		
500 V / 6 kV / 3 2	300 V, 15 A <b>9N</b>		
I <sub>N</sub> 13.5 A 3	300 V, 10 A@		
Module width: 3.5 mm / 0.138 inch			
9 11 mm / 0.35 0.43 inch			





13333	Pole ▼1
9999	

Pole No.         Item No.         Pack. Unit           2         2020-202/122-000         100           3         2020-203/122-000         50           4         2020-204/124-000         50           5         2020-205/124-000         50           6         2020-206/124-000         25	2-conductor female plug; with locking lever; fits into carrier terminal blocks; codable; gray				
3 2020-203/122-000 50 4 2020-204/124-000 50 5 2020-205/124-000 50	Pole No.	Item No.	Pack. Unit		
4     2020-204/124-000     50       5     2020-205/124-000     50	O 2	2020-202/122-000	100		
© 5 <b>2020-205/124-000</b> 50	3	2020-203/122-000	50		
	O 4	2020-204/124-000	50		
<b>2020-206/124-000</b> 25	O 5	2020-205/124-000	50		
	O 6	2020-206/124-000	25		
7 <b>2020-207/124-000</b> 25	O 7	2020-207/124-000	25		
8 <b>2020-208/124-000</b> 25	○ 8	2020-208/124-000	25		
9 <b>2020-209/124-000</b> 25	O 9	2020-209/124-000	25		
<b>2020-210/125-000</b> 25	O 10	2020-210/125-000	25		
11 2020-211/125-000 20	O 11	2020-211/125-000	20		
12 2020-212/125-000 20	O 12	2020-212/125-000	20		
13 2020-213/125-000 10	O 13	2020-213/125-000	10		
<b>2020-214/125-000</b> 10	O 14	2020-214/125-000	10		
<b>2020-215/125-000</b> 10	O 15	2020-215/125-000	10		

	male plug; with strain relief blocks; codable; gray	plate, lits litto
Pole No.	Item No.	Pack. Unit
O 2	2020-202/132-000	100
3	2020-203/132-000	50
O 4	2020-204/133-000	50
O 5	2020-205/133-000	50
O 6	2020-206/133-000	25
O 7	2020-207/134-000	25
O 8	2020-208/134-000	25
O 9	2020-209/134-000	25
O 10	2020-210/135-000	25
O 11	2020-211/135-000	20
O 12	2020-212/135-000	20
O 13	2020-213/135-000	10
O 14	2020-214/135-000	10
15	2020-215/135-000	10

ing lever; fits in	to carrier terminal blocks; c	odable; gray
Pole No.	Item No.	Pack. Unit
O 2	2020-202/142-000	100
○ 3	2020-203/142-000	50
O 4	2020-204/143-000	50
O 5	2020-205/143-000	50
O 6	2020-206/143-000	25
O 7	2020-207/144-000	25
<b>8</b>	2020-208/144-000	25
O 9	2020-209/144-000	25
O 10	2020-210/145-000	25
O 11	2020-211/145-000	20
O 12	2020-212/145-000	20
O 13	2020-213/145-000	10
O 14	2020-214/145-000	10
O 15	2020-215/145-000	10

Accessories; for female plugs

Appropriate marking systems: WMB/WMB Inline

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow 2000-115 100 (25)

Carrier with 6 coding pins; for coding female plugs
orange 2020-100 100 (25)

WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel
white 2009-113 1

WMB marking card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width

plain 793-3501 5



- Conductor range: 0.14 ... 1.5 mm² "s+f-st"; Push-in termination: 0.5 ... 1.5 mm² "s" and 0.5 ... 0.75 mm² "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 500 V = rated voltage6 kV = rated impulse voltage3 = pollution degree
- 3 Current-carrying capacity curves upon request

### Note

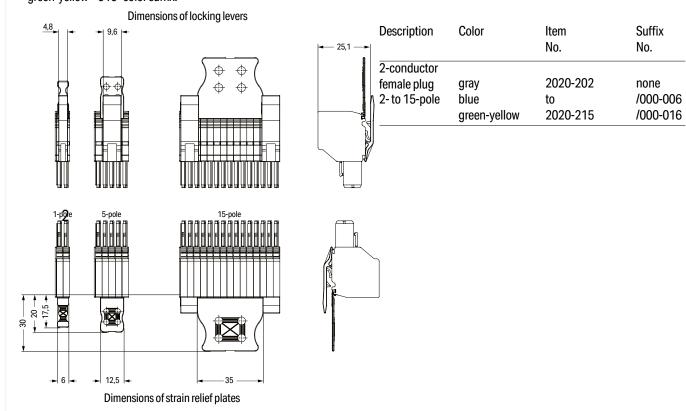
According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

Notice: An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

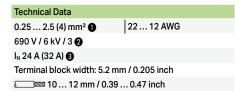
Approvals and corresponding ratings, visit www.wago.com

Strain Reli	erriate (c	on , oray	Assembled	Locking Lev	er (LL), Gray	Asse	embled	SRP and LL, Gray Assembled
	SRP			Pole No.	Quantity	1-Way	2-Way	
			Item No.			Item	No.	Item No.
			Suffix			Suff	ix	Suffix
Item No.	Color	Width						
734-327	gray	6mm	/132-0xx	2 to 3	1	/122-0xx	_	/142-0xx
734-328	gray	12.5mm	/133-0xx	4 to 6	1	_	/124-0xx	/143-0xx
734-329	gray	25mm	/134-0xx	7 to 9	1	_	/124-0xx	/144-0xx
734-326	gray	35mm	/135-0xx	10 to 15	2	_	/125-0xx	/145-0xx

For colored female plugs, the item number suffix "xx" must be replaced by the blue "-006" and the green-yellow "-016" color suffix.



# 1-Conductor/1-Pin Carrier Terminal Block, 2-Conductor/1-Pin Carrier Terminal Block, 2-Conductor/2-Pin Carrier Terminal Block X-COM®S-SYSTEM; with Push-Button 2.5 (4) mm²; 2222 Series



Technical Data	
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG
690 V / 6 kV / 3 <b>2</b>	
I <sub>N</sub> 24 A (32 A) 3	
Terminal block width: 5.2	2 mm / 0.205 inch
√ ≥ 10 12 mm / 0	.39 0.47 inch

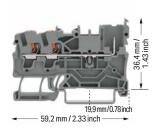
Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
690 V / 6 kV / 3 <b>2</b>		
I <sub>N</sub> 24 A (28 A) 3		
Terminal block width: 5.2 r	mm / 0.205 inch	
<b>□</b> ■ 10 12 mm / 0.3	9 0.47 inch	



1-conductor/1-pin carrier terminal block; with push-but-ton			
Color	Item No.	Pack. Unit	
gray	2222-1201	100	
blue	2222-1204	100	
orange	2222-1202	100	

orange	2222-1202	100
1-conductor/1-pin g push-button	round carrier ter	minal block; with
green-yellow	2222-1207	100

Accessorie	s; item-specific	C		
End and inte	ermediate plate	; 1 mm thick		
	orange	2022-1292	100 (25)	
	gray	2022-1291	100 (25)	



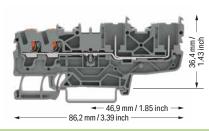
2-conductor/1-pin carrier terminal block; with push-but- ton			
ton			
Color	Item No.	Pack. Unit	
gray	2222-1301	100	
blue	2222-1304	100	
orange 2222-1302 100			



2-conductor/1-pin ground carrier terminal block; with

push-button





2-conductor/2-pin car ton	rier terminal block; wit	th push-but-
Color	Item No.	Pack. Unit
gray	2222-1401	50
blue	2222-1404	50
orange	2222-1402	50

2-conductor/2-pin ground carrier terminal block; with				
2222-1407	50			

Accessories;	item-specifi	С		
End and inter	mediate plate	e; 1 mm thick		
	orange	2022-1492	100 (25)	
	grav	2022-1491	100 (25)	

### Accessories; 2222 Series



Insulation st	op; 5 pcs/strip;	0.75 1 mm²	
4000	dark gray	2002-172	200 (25)

Push-in type jumper bar; insulated; I <sub>N</sub> 25 A; light gray				
172-00-	2-way	2002-402	25	
THE	3-way	2002-403	25	
1.43	4-way	2002-404	25	
	5-way	2002-405	25	
	6-way	2002-406	25	
	7-way	2002-407	25	
	8-way	2002-408	25	
	9-way	2002-409	25	
	10-way	2002-410	25	
Push-in type	; jumper bar; ii	nsulated; I <sub>№</sub> 25 A;	light gray	
Push-in type	jumper bar; ii 2-way	nsulated; I <sub>N</sub> 25 A; 2002-402	light gray 25	
Push-in type	•			
Push-in type	2-way	2002-402	25	
Push-in type	2-way 3-way	2002-402 2002-403	25 25	
Push-in type	2-way 3-way 4-way	2002-402 2002-403 2002-404	25 25 25	
Push-in type	2-way 3-way 4-way 5-way	2002-402 2002-403 2002-404 2002-405	25 25 25 25 25	
Push-in type	2-way 3-way 4-way 5-way 6-way	2002-402 2002-403 2002-404 2002-405 2002-406	25 25 25 25 25 25	
Push-in type	2-way 3-way 4-way 5-way 6-way 7-way	2002-402 2002-403 2002-404 2002-405 2002-406 2002-407	25 25 25 25 25 25 25 25	

### Appropriate marking systems: WMB/WMB Inline/marking strips

Delta jumper; insulated; I <sub>N</sub> = I <sub>N</sub> terminal block; light g				
FYTH	1-2 3-4 5-6	2002-406/020-000	25	

Star point ju gray	mper; insula	ted; $I_N = I_N$ terminal block; lig	ht
7707	1-3-5	2002-405/011-000	25

Staggered ju	ımper; insulate	ed; I <sub>N</sub> 25 A; light o	gray	
CD FOR	2-way	2002-472	25	
E E	3-way	2002-473	25	
11	4-way	2002-474	25	
	5-way	2002-475	25	
	6-way	2002-476	25	
	7-way	2002-477	25	
	8-way	2002-478	25	
	9-way	2002-479	25	
	10-way	2002-480	25	
	11-way	2002-481	25	
	12-way	2002-482	25	
Continuous j	jumper; insulat	ed; I <sub>N</sub> 25 A; light	gray	
]	1-2	2002-400	25	
Continuous j	jumper; insulat	ed; I <sub>N</sub> 25 A; light	gray	
	4. 0	0000 400	0.5	

Continuous	jumper; insula	ated; I <sub>N</sub> 25 A; light	gray	
	1 to 3	2002-423	25	
	1 to 4	2002-424	25	

## Continuous jumper; insulated; I<sub>N</sub> 25 A, light gray

	3-way	2002-413	25
1.1	5-way	2002-415	25

Push-in type wire jumper; in cross-section; $I_N$ 18 A	ısulated; 1.5 mr	m² conductor
L = 60 mm	2009-412	100 (10)

	L = 60 mm	2009-412	100 (10)
	L = 110 mm	2009-414	100 (10)
4	L = 250 mm	2009-416	100 (10)
Carrier with 6	coding nine: for	coding fema	le nlugs

Carrier with 6 coding pins; for coding female plugs					
-	orange	2022-100	100 (25)		

Test pin; 1 mm Ø			
/	859-500	1	
1-conductor fomale plug			

1-conductor female plug				
7	gray	2022-101	200	
M/M/D Inline	nlain: 1 EOO M	MAD markora (E m	m\/rook	

WMB Inline; plain; 1,500 WMB markers (5 mm)/reel; stretchable 5 5.2 mm				
•	white	2009-115	1	

	narkers/card;
793-5501	5

- Conductor range: 0.25 ... 4 mm² "s+f-st" Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
- 2 690 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree
- 3 Current-carrying capacity curves upon request

### Note:

When used as intended, female plugs must not be connected/disconnected when live or under load.

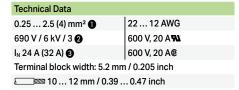
Please observe the application notes: Jumpers, from page 182 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



### 1-Conductor/1-Pin Carrier Terminal Block, 2-Conductor/1-Pin Carrier Terminal Block, 2-Conductor/2-Pin Carrier Terminal Block X-COM®S-SYSTEM

2.5 (4) mm<sup>2</sup>; 2022 Series



Technical Data	
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG
690 V / 6 kV / 3 <b>2</b>	600 V, 20 A <b>N</b>
I <sub>N</sub> 24 A (32 A) 3	600 V, 20 A@
Terminal block width: 5.2 m	m / 0.205 inch
■ 10 12 mm / 0.39	0.47 inch

Technical Data			
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG		
690 V / 6 kV / 3 <b>2</b>	600 V, 20 A 👊		
I <sub>N</sub> 24 A (28 A) <b>3</b>	600 V, 20 A®		
Terminal block width: 5.2 mm / 0.205 inch			
2 10 12 mm / 0.39 0.47 inch			



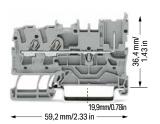
1-conductor/1-pin carrier terminal block				
Color	Item No.	Pack. Unit		
gray	2022-1201	100		
blue	2022-1204	100		
orange	2022-1202	100		

Color	Item No.	Pack. Unit			
gray	2022-1201	100			
blue	2022-1204	100			
orange	2022-1202	100			
1-conductor/1-pin ground carrier terminal block					

, isotoco, itom opening	Accessories; item-specific				
End and intermediate plate; 1 mm thick					
orange 2022-1292 100	(25)				
gray 2022-1291 100	(25)				

2022-1207

100



2-conductor/1-pin carrier terminal block				
Color	Item No.	Pack. Unit		
gray	2022-1301	100		
blue	2022-1304	100		
orange	2022-1302	100		

2-conductor/1-pin ground carrier terminal block

1-23-45-6

1-3-5

1 to 3

1 to 4

5-way

Ü

Continuous jumper; insulated; I<sub>N</sub> 25 A, light gray

Star point jumper; insulated;  $I_N = I_N$  terminal block; light



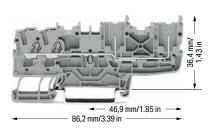
2022-1307

100

2002-406/020-000

2002-405/011-000

25



2-conductor/2-pin carrier terminal block			
Color	Item No.	Pack. Unit	
gray	2022-1401	50	
blue	2022-1404	50	
orange	2022-1402	50	

2-conductor/2-pin ground carrier terminal block

green-yellow

Accessories; item-specific					
End and intermediate plate; 1 mm thick					
	orange	2022-1492	100 (25)		
	gray	2022-1491	100 (25)		

2022-1407

Accessories; 2022 Series

green-yellow



green-yellow

Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup> 2002-171 200 (25) light gray mm

Insulation stop; 5 pcs/strip; 0.75 1 mm <sup>2</sup>				
00000	dark gray	2002-172	200 (25)	

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks



Push-in type ju	umper bar; insula	ated; I <sub>N</sub> 25 A; lig	ght gray	
-	2-way	2002-402	25	
111	3-way	2002-403	25	
Lice	4-way	2002-404	25	
	5-way	2002-405	25	
	6-way	2002-406	25	
	7-way	2002-407	25	
	8-way	2002-408	25	
	9-way	2002-409	25	
	10-way	2002-410	25	
Push-in type jumper bar; insulated; I <sub>N</sub> 25 A; light gray				
-	1 to 3	2002-433	25	
UV	1 to 4	2002-434	25	

1 to 5

1 to 6

1 to 9

1 to 10

Staggered jumper; insulated; I <sub>N</sub> 25 A; light gray						
N. N. S.	2-way	2002-472	25			
	3-way	2002-473	25			
	4-way	2002-474	25			
	5-way	2002-475	25			
	6-way	2002-476	25			
	7-way	2002-477	25			
	8-way	2002-478	25			
	9-way	2002-479	25			
	10-way	2002-480	25			
	11-way	2002-481	25			
	12-way	2002-482	25			
Continuous jumper; insulated; I <sub>N</sub> 25 A, light gray						
	2-way	2002-400	25			
Continuous jumper; insulated; $I_{\text{N}}$ 25 A; light gray						

2002-423

2002-424

2002-413

2002-415

25

25

25

25

S					
	Push-in type wire jumper; insulated; 1.5 mm $^2$ conductor cross-section; $I_N$ 18 A				
		L = 60 mm	2009-412	100 (10)	
		L = 110 mm	2009-414	100 (10)	
	4	L = 250 mm	2009-416	100 (10)	
	Carrier with 6 coding pins; for coding female plugs				
	*	orange	2022-100	100 (25)	
	Test pin; 1 mm Ø				
	/		859-500	1	
	1-conductor female plug				
	7	gray	2022-101	200	
	Marking strip; plain; 11 mm wide; 50 m reel				
	0	white	2009-110	1	
	WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 5.2 mm stretchable				
	•	white	2009-115	1	

WMB marking card; white; 10 strips with 10 markers/card;

793-5501

5

5 ... 5.2 mm stretchable plain



2002-435

2002-436

2002-437

2002-438

2002-439

2002-440

25

25

25

25

25

25

- Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 690 V = rated voltage6 kV = rated impulse voltage3 = pollution degree
- 3 Current-carrying capacity curves upon request

#### Note:

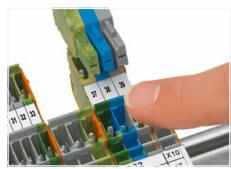
When used as intended, female plugs must not be connected/disconnected when live or under load.

Please observe the application notes: Jumpers, from page 182 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



2022 Series X-COM®S-SYSTEM Carrier Terminal Blocks combined with 2002 Series Through Terminal Blocks



Carrier terminal blocks and female plugs are touch-proof.



Insert coding pin into the corresponding slot and twist it off

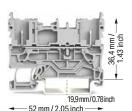


## 2-Pin Carrier Terminal Block, 4-Pin Carrier Terminal Block X-COM®S-SYSTEM 2022 Series



Technical Data 690 V / 6 kV / 3 **1** I<sub>N</sub> 24 A (27 A) **2** 

Terminal block width: 5.2 mm / 0.205 inch



36.4 mm / 1.43 inch
<b>→</b> 106 mm / 4.17 inch <b>→</b>

`	2			
2-pin carrier terminal block				
Color	Item No.	Pack. Unit		
gray	2022-1601	50		
blue	2022-1604	50		
blue	2022-1604	50		

4-pin carrier terminal block			
Color	Item No.	Pack. Unit	
gray	2022-1801	50	
blue	2022-1804	50	

50

25

25

25

green-ye	ellow	2022-1607	50		
Item-Specific Accessories					
End plate; 1 mm thick					
	orange	2022-1692	100 (25)		
San	arav	2022-1691	100 (25)		

Item-Specific Accessories				
End plate; 1 m	nm thick			
	orange	2022-1892	100 (25)	
	grav	2022-1891	100 (25)	

Staggered jumper; insulated;  $I_N$  25 A; light gray

2-way

3-way

4-way

2002-472

2002-473

2002-474

4-pin ground carrier terminal block

green-yellow

690 V = rated voltage6 kV = rated impulse voltage3 = pollution degree

2 Current-carrying capacity curves upon request

#### Note:

When used as intended, female plugs must not be connected/disconnected when live or under load.

Please observe the application notes: Jumpers, from page 182 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2022 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

### Marking strip; plain; 11 mm wide; 50 m reel white 2009-110

WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable



WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable plain 793-5501 5

Accessories; 2022 Series

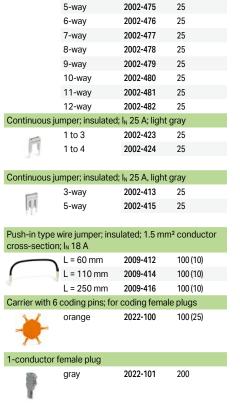
2-pin ground carrier terminal block

Appropriate marking systems: WMB/WMB Inline/Marking strips

Push-in type	e jumper bar; inst	ulated; I <sub>N</sub> 25 A;	light gra	ау
1 Tanasan	2-way	2002-402	25	
111	3-way	2002-403	25	
1.0	4-way	2002-404	25	
	5-way	2002-405	25	
	6-way	2002-406	25	
	7-way	2002-407	25	
	8-way	2002-408	25	
	9-way	2002-409	25	
	10-way	2002-410	25	
Push-in type	e jumper bar; inst	ulated; I <sub>N</sub> 25 A;	light gra	ау
-	1 to 3	2002-433	25	
V	1 to 4	2002-434	25	
1 .	1 to 5	2002-435	25	
	1 to 6	2002-436	25	
	1 to 7	2002-437	25	
	1 to 8	2002-438	25	
	1 to 9	2002-439	25	
	1 to 10	2002-440	25	
Delta jumpe	r; insulated; I <sub>N</sub> = I <sub>I</sub>	n terminal bloc	ck; light (	gray
	1-2 3-4 5-6	2002-406/02	0-000	25
THE				
Star point jumper; insulated; $I_N = I_N$ terminal block; light gray				
	1-3-5	2002-405/01	1-000	25

Continuous jumper; insulated; I<sub>N</sub> 25 A, light gray

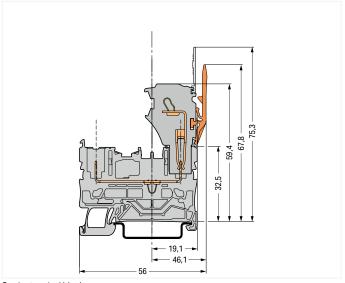
2-way

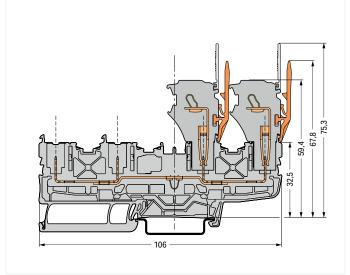




2002-400

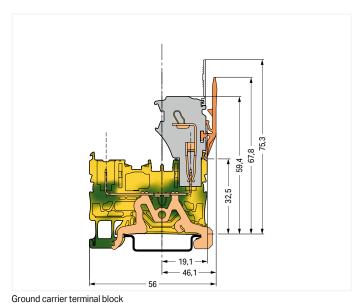
## Carrier Terminal Blocks and 1-Conductor Female Plugs X-COM®S-SYSTEM Types of Assembly

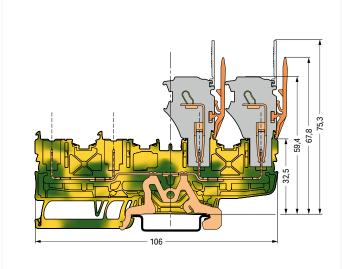




Carrier terminal block

Carrier terminal block





Ground carrier terminal block

### 1-Conductor/1-Pin Double-Deck Carrier Terminal Block X-COM®S-SYSTEM

### 2.5 (4) mm<sup>2</sup>; 2022 Series

Technical Data
0.25 ... 2.5 (4) mm² 1
690 V / 6 kV / 3 2
I<sub>N</sub> 24 A (28 A) 3

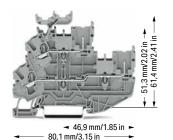
22 ... 12 AWG 600 V, 20 A**RI** 600 V, 20 A**©** 

Terminal block width: 5.2 mm / 0.205 inch

■ 10 ... 12 mm / 0.39 ... 0.47 inch

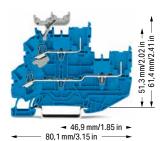
□ 10 ... 12 mm / 0.39 ... 0.47 inch

□ 10 ... 12 mm / 0.39 ... 0.47 inch



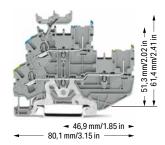
1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
○ L/L	2022-2231	50
○ N/L	2022-2232	50
○ L/N	2022-2233	50



1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; with marker carrier; blue

	Item No.	Pack. Unit
● N/N	2022-2234	50



1-conductor/1-pin double-deck carrier terminal block; ground conductor/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
O PE/N	2022-2247	50
O PE/L	2022-2257	50

1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; without marker carrier; gray

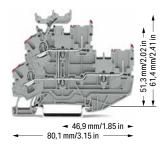
○ L/L	2022-2201	50
○ N/L	2022-2202	50
○ L/N	2022-2203	50

1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; without marker carrier; blue

N/N	2022-2204	50

1-conductor/1-pin double-deck carrier terminal block; ground conductor/through terminal block; without marker carrier; gray

$\bigcirc$	PE/N	2022-2217	50
$\bigcirc$	PE/L	2022-2227	50

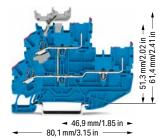


2-conductor/2-pin double-deck carrier terminal block; 2-conductor/2-pin through terminal block; with marker carrier, internally commoned; violet conductor entry; gray

	Item No.	Pack. Unit
○ L	2022-2238	50

2-conductor/2-pin double-deck carrier terminal block; 2-conductor/2-pin through terminal block; without marker carrier, internally commoned; violet conductor entry; gray

○ L	2022-2208	50

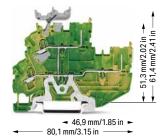


2-conductor/2-pin double-deck carrier terminal block; 2-conductor/2-pin through terminal block; with marker carrier, internally commoned; violet conductor entry; blue

	Item No.	Pack. Unit
N	2022-2239	50

2-conductor/2-pin double-deck carrier terminal block; 2-conductor/2-pin through terminal block; without marker carrier, internally commoned; violet conductor entry; blue

itti y, bido		
N	2022-2209	50



2-conductor/2-pin double-deck carrier block; 2-conductor/2-pin ground conductor block; with marker carrier; internally commoned; green-yellow

	Item No.	Pack. Unit
O PE	2022-2237	50

2-conductor/2-pin double-deck carrier block; 2-conductor/2-pin ground conductor block; without marker carrier; internally commoned; green-yellow

PE	2022-2207	50

Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1 ... 4 mm2 "s" and 1 ... 2.5 mm2 "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

690 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree

3 Current-carrying capacity curves upon request

When used as intended, female plugs must not be connected/disconnected when live or under load.

Please observe the application notes: Jumpers, from page 182 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2022 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### End and intermediate plate; 1 mm thick

orange	2022-2292	100 (25)
gray	2022-2291	100 (25)

#### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

2002-171 200 (25) light gray mm

#### Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>

00000

2002-172 200 (25) dark gray

#### Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow 2002-115 100 (25) mii

#### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray

2002-402 25 2002-403 25 3-way 2002-404 25 4-way 5-way 2002-405 25 2002-406 25 6-way 7-way 2002-407 25 8-way 2002-408 25 2002-409 25 9-way 10-way 2002-410 25

#### ated; I<sub>N</sub> 25 A; light gray Push-in type jumper bar; insu

1 to 3 2002-433 25 2002-434 25 1 to 4 2002-435 1 to 5 25 1 to 6 2002-436 25 1 to 7 2002-437 25 1 to 8 2002-438 25 2002-439 25 1 to 9 1 to 10 2002-440 25

#### Continuous jumper; insulated; I<sub>N</sub> 25 A, light gray 2002-400

2-way

Continuous jumper; insulated; I<sub>N</sub> 25 A; light gray 1 to 3 2002-423 25 1 to 4 2002-424 25

#### Accessories; 2022 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Continuous jumper; insulated; $I_N$ 25 A, light gray

3-way 2002-413 25 2002-415 25 5-way

#### Double-deck vertical jumper; insulated; I<sub>N</sub> 24 A

2002-492 100 (25) light gray orange 2002-492/000-012 100 (25) Carrier with 6 coding pins; for coding female plugs

orange 2022-100 100 (25)

#### Test pin; 1 mm Ø

859-500 1

#### Test plug adapter; for 4 mm Ø test plug; I<sub>N</sub> 10 A

100 (25) 2009-174 gray

#### Testing tap; for max. 2.5 mm<sup>2</sup>

2009-182 100 (25)

#### 1-conductor female plug

2022-101 200 gray

#### Marking strip; plain; 11 mm wide; 50 m reel

white 2009-110 1

#### WMB Inline, plain; 1,500 WMB markers (5 mm)/reel;

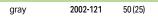
.. 5.2 mm stretchable

2009-115 white

#### WMB marking card; white; 10 strips with 10 markers/card; 5...5.2 mm stretchable

793-5501 plain

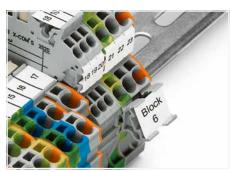
#### Double-deck marker carrier; pivoting



5



Size comparison: Double-deck carrier terminal blocks with 3.5 mm and 5.2 mm terminal block widths



Marker carrier (Item No. 2009-198)



### 1-Conductor Female Plug X-COM®S-SYSTEM

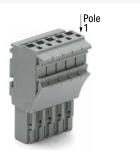
### 2.5 (4) mm<sup>2</sup>; 2022 Series

#### **Technical Data**

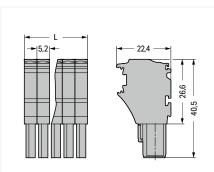
0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 690 V / 6 kV / 3 2 600 V, 20 A 🕦 I<sub>N</sub> 24 A (32 A) 3 600 V, 20 A@

Module width: 5.2 mm / 0.205 inch

□ 10 ... 12 mm / 0.39 ... 0.47 inch



Dimensions (in mm):



L = pole no. x module width

1-conductor female plug; fits into carrier terminal blocks; codable; gray

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or

unmated when live or under load.				
Pole No.	Item No.	Pack. Unit		
O 1	2022-101	200		
O 2	2022-102	200		
○ 3	2022-103	100		
O 4	2022-104	100		
O 5	2022-105	50		
O 6	2022-106	50		
O 7	2022-107	50		
○ 8	2022-108	50		
O 9	2022-109	50		
O 10	2022-110	25		
O 11	2022-111	25		
O 12	2022-112	25		
O 13	2022-113	25		
O 14	2022-114	25		
O 15	2022-115	25		

#### Accessories; for female plugs

mm

Appropriate marking systems: WMB/WMB Inline/Marking strips

Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

light gray 2002-171 200 (25)

Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup> dark grav 2002-172 200 (25) 00000

Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

2 690 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree

Current-carrying capacity curves upon request

Item no. suffixes

.../000-006 blue .../000-012 orange green-yellow .../000-016

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; for female plugs

Appropriate marking systems: WMB/WMB Inline/Marking strips

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks



ellow	2002-115	100 (2

Locking lever; 4.8 mm wide 2022-142 100 (25) orange 2022-141 100 (25) Locking lever; 9.6 mm wide

	orange	2022-152	100 (25)
-	gray	2022-151	100 (25)

### Carrier with 6 coding pins; for coding female plugs



*	orange	2022-100	100 (25)
rain raliaf	-1-4		

rain relief plate, gray			
33	35 mm wide	734-326	100 (25)
	6 mm wide	734-327	100 (25)
	12.5 mm wide	734-328	100 (25)
	25 mm wide	734-329	100 (25)
	55 mm wide	734-430	50 (25)
	75 mm wide	734-431	50 (25)
orking otrin; plain; 11 mm wido; E0 m rool			

2009-110

WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable 2009-115 white

white

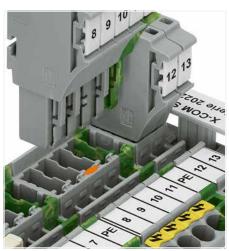


WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

793-5501



Coding a female plug: remove coding finger using a suitable tool.



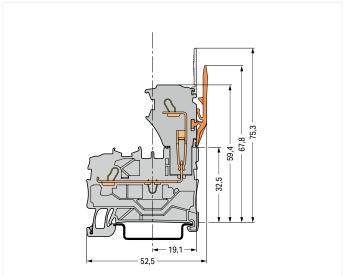
Insert a coding pin (2022-100) into the corresponding location of the carrier terminal block.



## Carrier Terminal Blocks and 1-Conductor Female Plugs X-COM®S-SYSTEM Types of Assembly



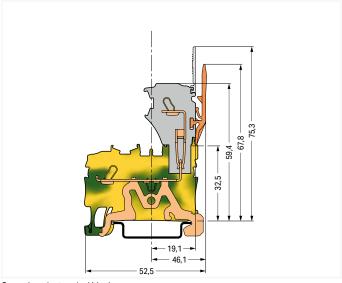
1-conductor female plug Carrier terminal blocks can be commoned via 2002 Series Push-In Type Jumper Bars and tested via 859-500 Test Pin.



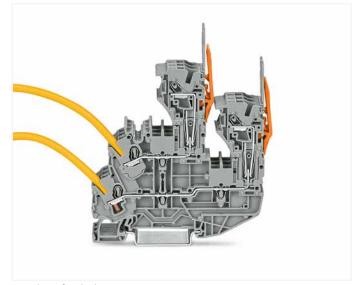
Carrier terminal block



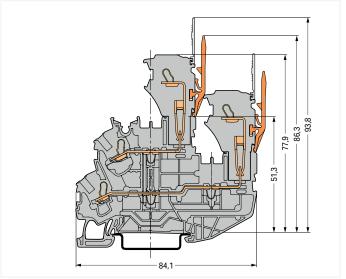
X-COM®S-SYSTEM terminal block assembly



Ground carrier terminal block



1-conductor female plug Double-deck carrier terminal blocks can be commoned via 2002 Series Push-In Type Jumper Bars and tested via 859-500 Test Pin.



Double-deck carrier terminal block



### Female Plug for Self-Assembly X-COM®S-SYSTEM

### 2.5 (4) mm<sup>2</sup>; 2022 Series

Technical Data

0.25 ... 2.5 (4) mm<sup>2</sup> **1** 690 V / 6 kV / 3 **2** I<sub>N</sub> 24 A (32 A) **3**  22 ... 12 AWG 600 V, 20 A **91** 600 V, 20 A **6** 

Terminal block width: 5.2 mm / 0.205 inch

10 ... 12 mm / 0.39 ... 0.47 inch



1-conductor end module; codable				
Color	Item No.	Pack. Unit		
gray	2022-181	250		
blue	2022-184	250		
orange	2022-182	250		
green-yellow	2022-187	250		

1-conductor center module; codable			
gray	2022-171	250	
blue	2022-174	250	
orange	2022-172	250	
green-yellow	2022-177	250	

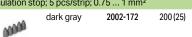
1-conductor base module; with integrated end plate; codable		
gray	2022-161	250
blue	2022-164	250
orange	2022-162	250
green-yellow	2022-167	250

#### Accessories; for female plugs

Appropriate marking systems: WMB/WMB Inline/Marking strips

Insulation stop; 5 pcs/strip; 0.25 0.5 mm²				
	light gray	2002-171	200 (25)	
1000				





Protective warning marker; with black high-voltage
symbol; for 5 terminal blocks

	yellow	2002-115	100 (25)
TTTT.			

Locking lever; 4.8 mm wide			
	orange	2022-142	100 (25)
105	gray	2022-141	100 (25)

#### Carrier with 6 coding pins; for coding female plugs



ocking lever: 9.6 mm wide

orange

gray

range **2022-100** 100 (25)

2022-152

2022-151

100 (25)

Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 690 V = rated voltage6 kV = rated impulse voltage3 = pollution degree
- 3 Current-carrying capacity curves upon request

#### Moto:

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; for female plugs

Appropriate marking systems: WMB/WMB Inline/Marking strips

Strain relief plate; gray				
8.3	35 mm wide	734-326	100 (25)	
	6 mm wide	734-327	100 (25)	
Sie Control of the Co	12.5 mm wide	734-328	100 (25)	
	25 mm wide	734-329	100 (25)	
	55 mm wide	734-430	50 (25)	
	75 mm wide	734-431	50 (25)	
Marking strip; plain; 11 mm wide; 50 m reel				
0	white	2009-110	1	

## WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable white 2009-115 1

WMB marking card; white; 10 strips with 10 markers/card;  $5 \dots 5.2$  mm stretchable

plain **793-5501** 

#### **Customizing Modular Female Plugs**

WAGO's modular X-COM®S-SYSTEM female plugs can be customized for applications requiring varying numbers of poles (e.g., when designing prototypes).

#### **Modules and Pole Numbers**

A customized X-COM®S-SYSTEM female plug consists of:

- · One base module with an integrated end plate
- Up to 13 center modules (corresponding to a 15-pole female plug = maximum pole number)
- One end module

#### Intended Use

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

#### Mounting

The appropriate mounting tool shall be used in order to guarantee that the individual modules are properly attached to each other without damaging the locking latches.

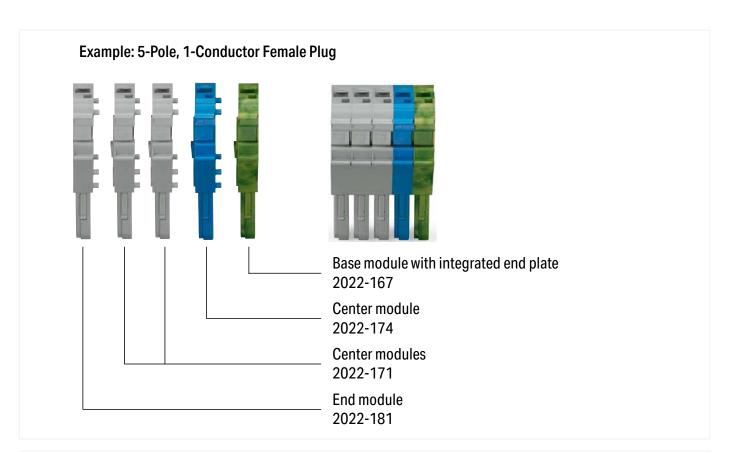




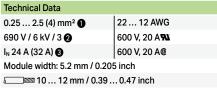




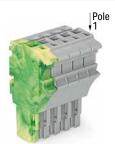
End module Center module Base module



## Pre-Assembled 1-Conductor Female Plug X-COM®S-SYSTEM 2.5 (4) mm²; 2022 Series









1-conductor female plug; with ground base module (green-yellow); fits into carrier terminal blocks; codable			
Pole No.	Item No.	Pack. Unit	
3	2022-103/000-036	100	
4	2022-104/000-036	100	
5	2022-105/000-036	50	
6	2022-106/000-036	50	
7	2022-107/000-036	50	
8	2022-108/000-036	50	
9	2022-109/000-036	50	
10	2022-110/000-036	25	
11	2022-111/000-036	25	
12	2022-112/000-036	25	
13	2022-113/000-036	25	
14	2022-114/000-036	25	
15	2022-115/000-036	25	

1-conductor female plug; with ground end module (green-yellow); fits into carrier terminal blocks; codable			
Pole No. Item No. Pack. Unit			
3	2022-103/000-037	100	
4	2022-104/000-037	100	
5	2022-105/000-037	50	
6	2022-106/000-037	50	
7	2022-107/000-037	50	
8	2022-108/000-037	50	
9	2022-109/000-037	50	
10	2022-110/000-037	25	
11	2022-111/000-037	25	
12	2022-112/000-037	25	
13	2022-113/000-037	25	
14	2022-114/000-037	25	
15	2022-115/000-037	25	

(green-yellow); fits into carrier terminal blocks; codable				
Pole No.	Item No.	Pack. Unit		
3	2022-103/000-038	100		
4	2022-104/000-038	100		
5	2022-105/000-038	50		
6	2022-106/000-038	50		
7	2022-107/000-038	50		
8	2022-108/000-038	50		
9	2022-109/000-038	50		
10	2022-110/000-038	25		
11	2022-111/000-038	25		
12	2022-112/000-038	25		
13	2022-113/000-038	25		
14	2022-114/000-038	25		
15	2022-115/000-038	25		

#### Accessories; for female plugs

Appropriate marking systems: WMB/WMB Inline/Marking strips

Insulation stop; 5 pcs/strip; 0.25 0.5 mm <sup>2</sup>			
mm	light gray	2002-171	200 (25)

10-				
Insulation st	op; 5 pcs/strip;	0.75 1 mm²		
00000	dark gray	2002-172	200 (25)	

0000				
	arning markei terminal bloo	r; with black high- cks	voltage	
MI	yellow	2002-115	100 (25)	

TITLE	yenow	2002-113	100 (23)		
Locking lever;	4.8 mm wide				
	orange	2022-142	100 (25)		
105	gray	2022-141	100 (25)		
Locking lever;	9.6 mm wide				
-4	orange	2022-152	100 (25)		
	gray	2022-151	100 (25)		
Carrier with 6 coding pins; for coding female plugs					
1	orange	2022-100	100 (25)		

рргорнате шап	King systems. W	ווווווו טואוא אטואו	eriviai kirig strip		
Strain relief plate; gray					
	35 mm wide	734-326	100 (25)		
100	6 mm wide	734-327	100 (25)		
Size of the size o	12.5 mm wide	734-328	100 (25)		
	25 mm wide	734-329	100 (25)		
	55 mm wide	734-430	50 (25)		
	75 mm wide	734-431	50 (25)		
Marking strip; plain; 11 mm wide; 50 m reel					
white 2009-110 1					
WMB Inline, plain; 1,500 WMB markers (5 mm)/reel;					

WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 5.2 mm stretchable					
•	white	2009-115	1		
WMB markin 5 5.2 mm s		e; 10 strips with 10	markers/card;		
	plain	793-5501	5		

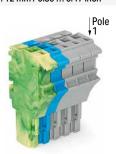


**Technical Data** 

0.25 ... 2.5 (4) mm<sup>2</sup> 1 690 V / 6 kV / 3 2 I<sub>N</sub> 24 A (32 A) 3 22 ... 12 AWG 600 V, 20 A **93** 600 V, 20 A **6** 

Module width: 5.2 mm / 0.205 inch

E 10 ... 12 mm / 0.39 ... 0.47 inch



Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 690 V = rated voltage
   6 kV = rated impulse voltage
   3 = pollution degree
- 3 Current-carrying capacity curves upon request

#### Note

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

Approvals and corresponding ratings, visit www.wago.com

(green-yellow); fits into carrier terminal blocks; codable					
Pole No.	Item No.	Pack. Unit			
3	2022-103/000-039	100			
4	2022-104/000-039	100			
5	2022-105/000-039	50			
6	2022-106/000-039	50			
7	2022-107/000-039	50			
8	2022-108/000-039	50			
9	2022-109/000-039	50			
10	2022-110/000-039	25			
11	2022-111/000-039	25			
12	2022-112/000-039	25			
13	2022-113/000-039	25			

2022-114/000-039

2022-115/000-039

14 15 25

25

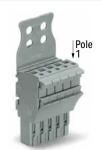
1-conductor female plug; with ground end module



## 1-Conductor Female Plug X-COM®S-SYSTEM; with Lateral Locking Lever and Strain Relief Plate 2.5 (4) mm²; 2022 Series







1-conductor female plug; with locking lever; fits into carrier terminal blocks; codable; gray					
Item No.	Pack. Unit				
2022-101/122-000	200				
2022-102/122-000	100				
2022-103/123-000	100				
2022-104/123-000	50				
2022-105/123-000	50				
2022-106/123-000	50				
2022-107/123-000	25				
2022-108/123-000	25				
2022-109/123-000	25				
2022-110/123-000	25				
2022-111/126-000	25				
2022-112/126-000	20				
2022-113/126-000	20				
2022-114/126-000	10				
2022-115/127-000	10				
	tem No. 2022-101/122-000 2022-102/122-000 2022-103/123-000 2022-105/123-000 2022-105/123-000 2022-105/123-000 2022-108/123-000 2022-109/123-000 2022-109/123-000 2022-110/123-000 2022-111/126-000 2022-111/126-000 2022-113/126-000 2022-114/126-000				

1-conductor female plug; with strain relief plate; fits into carrier terminal blocks; codable; gray					
Pole No.	Item No.	Pack. Unit			
O 1	2022-101/132-000	200			
O 2	2022-102/132-000	100			
○ 3	2022-103/133-000	100			
O 4	2022-104/133-000	50			
○ 5	2022-105/134-000	50			
O 6	2022-106/134-000	50			
O 7	2022-107/135-000	25			
O 8	2022-108/135-000	25			
O 9	2022-109/135-000	25			
O 10	2022-110/135-000	25			
O 11	2022-111/136-000	25			
O 12	2022-112/136-000	20			
O 13	2022-113/136-000	20			
O 14	2022-114/136-000	10			
O 15	2022-115/137-000	10			

Pole No.	Item No.	Pack. Unit
O 1	2022-101/142-000	200
O 2	2022-102/142-000	100
○ 3	2022-103/143-000	100
O 4	2022-104/143-000	50
O 5	2022-105/144-000	50
O 6	2022-106/144-000	50
O 7	2022-107/145-000	25
O 8	2022-108/145-000	25
O 9	2022-109/145-000	25
O 10	2022-110/145-000	25
O 11	2022-111/146-000	25
O 12	2022-112/146-000	20
O 13	2022-113/146-000	20
O 14	2022-114/146-000	10
O 15	2022-115/147-000	10

1-conductor female plug; with locking lever; fits into carrier terminal blocks; codable

 1 blue
 2022-101/122-006
 200

 1 green-yellow
 2022-101/122-016
 200

1-conductor female plug; with strain relief plate; fits into carrier terminal blocks; codable

1 blue
2022-101/132-006
200

1 blue 2022-101/132-006 200 200 200 200

1-conductor female plug; with strain relief plate and locking lever; fits into carrier terminal blocks; codable

1 blue 2022-101/142-006 200 1 green-yellow 2022-101/142-016 200

Accessories; for female plugs

Appropriate marking systems: WMB/WMB Inline/Marking strips

Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm²

light gray 2002-171 200 (25)

Marking strip; plain; 11 mm wide; 50 m reel				
0	white	2009-110	1	

Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>

dark gray 2002-172 200 (25)

WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable white 2009-115 1

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow 2002-115 100 (25)

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable plain 793-5501 5

Carrier with 6 coding pins; for coding female plugs



Titti

orange 2022-100 100 (25)

- Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 690 V = rated voltage6 kV = rated impulse voltage3 = pollution degree
- 3 Current-carrying capacity curves upon request

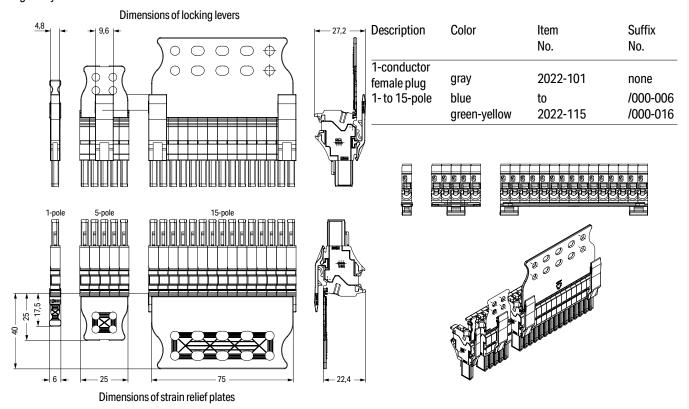
#### Note:

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

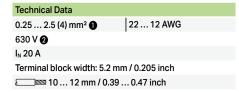
Approvals and corresponding ratings, visit www.wago.com

Strain Relief Plate (SRP), Gray		Locking Lev	er (LL), Gray	<b>A</b>		SRP and LL, Gray		
			Assembled			Asse	embled	Assembled
	SRP			Pole No.	Quantity	1-Way	2-Way	
			Item No.			Item	No.	Item No.
			Suffix			Suff	ix	Suffix
Item No.	Color	Width						
734-327	gray	6mm	/132-0xx	1 to 2	1	/122-0xx	_	/142-0xx
734-328	gray	12.5mm	/133-0xx	3 to 4	1	_	/123-0xx	/143-0xx
734-329	gray	25mm	/134-0xx	5 to 6	1	_	/123-0xx	/144-0xx
734-326	gray	35mm	/135-0xx	7 to 10	1	_	/123-0xx	/145-0xx
734-430	gray	55mm	/136-0xx	11 to 14	2	_	/126-0xx	/146-0xx
734-431	gray	75mm	/137-0xx	15	2	_	/127-0xx	/147-0xx

For colored female plugs, the item number suffix "xx" must be replaced by the blue "-006" and the green-yellow "-016" color suffix.

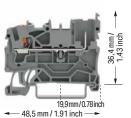


### 1-Conductor/1-Pin Carrier Terminal Block, 2-Conductor/1-Pin Carrier Terminal Block, 2-Conductor/2-Pin Carrier Terminal Block X-COM®S-SYSTEM; with Push-Button; for Ex ec Applications 2.5 (4) mm<sup>2</sup>; 2222 Series

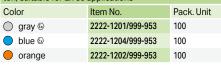


Technical Data	
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG
630 V 2	
I <sub>N</sub> 20 A	
Terminal block width: 5.2 mi	m / 0.205 inch
10 12 mm / 0.39	0.47 inch

Technical Data	
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG
630 V <b>2</b>	
I <sub>N</sub> 20 A	
Terminal block width: 5.2 m	m / 0.205 inch
<b>□</b> ■ 10 12 mm / 0.39	0.47 inch



1-conductor/1-pin carrier terminal block; with push-button; suitable for Ex ec applications			
Color	Item No.	Pack. Unit	
○ gray ⑤	2222-1201/999-953	100	
oblue ©	2222-1204/999-953	100	
orange	2222-1202/999-953	100	



1-conductor/1-pin ground carrier terminal block; suitable

2222-1207/999-953



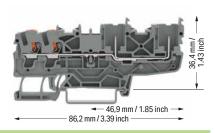


ton; suitable for Ex ec applications			
Color	Item No.	Pack. Unit	
○ gray ⑤	2222-1301/999-953	100	
oblue 😡	2222-1304/999-953	100	
orange	2222-1302/999-953	100	

2-conductor/1-pin ground carrier terminal block; suitable

for Ex ec applications





ton; suitable for Ex ec applications			
Color	Item No.	Pack. Unit	
○ gray ⓑ	2222-1401/999-953	50	
oblue 🗟	2222-1404/999-953	50	
orange	2222-1402/999-953	50	

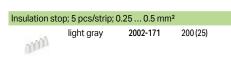
2-conductor/2-pin ground carrier terminal block; suitable for Ex ec applications		
areen-vellow @	2222-1407/999-953	50

Accessories;				
End and inter	mediate plate; 1	mm thick		
	orange	2022-1492	100 (25)	
	gray	2022-1491	100 (25)	

Accessories; 2222 Series

for Ex ec applications

green-yellow &



insulation stop; 5 pcs/strip; 0.75 1 mm²				
00000	dark gray	2002-172	200 (25)	
Push-in type ju	umper bar; insula	ated; I <sub>N</sub> 25 A; Ii	ght gray	
	2-way	2002-402	25	
11/12	3-way	2002-403	25	
1.4	4-way	2002-404	25	
	5-way	2002-405	25	
	6-way	2002-406	25	

2002-407

25

	7-way	2002-401	23
	8-way	2002-408	25
	9-way	2002-409	25
	10-way	2002-410	25
Push-in type	jumper bar; insu	lated; I <sub>N</sub> 25 A; I	ight gray
-	1 to 3	2002-433	25
V	1 to 4	2002-434	25
1	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 7	2002-437	25
	1 to 8	2002-438	25
	1 to 9	2002-439	25
	1 to 10	2002-440	25

Appropriate marking systems: WMB/WMB Inline/marking strip

Staggered jumper; insulated; I <sub>N</sub> 25 A; light gray			
TERMIN	2-way	2002-472	25
E C	3-way	2002-473	25
3.1	4-way	2002-474	25
	5-way	2002-475	25
	6-way	2002-476	25
	7-way	2002-477	25
	8-way	2002-478	25
	9-way	2002-479	25
	10-way	2002-480	25
	11-way	2002-481	25
	12-way	2002-482	25
Continuous ju	ımper; insulated	; I <sub>N</sub> 25 A, light o	gray
]	2-way	2002-400	25
Continuous ju	ımper; insulated	; I <sub>N</sub> 25 A; light o	gray
	1 to 3	2002-423	25
	1 to 4	2002-424	25
Continuous ju	ımper; insulated	; I <sub>N</sub> 25 A, light o	gray
	3-way	2002-413	25
0.0	5-way	2002-415	25
1.40			

L = 110 mm

 $I = 250 \, \text{mm}$ 

taggered jui	mper; insulated;	$I_N$ 25 A; light g	ıray	Carrier with 6
TOTAL PROPERTY.	2-way	2002-472	25	1
N W	3-way	2002-473	25	-
	4-way	2002-474	25	
	5-way	2002-475	25	Test pin; 1 mi
	6-way	2002-476	25	
	7-way	2002-477	25	
	8-way	2002-478	25	
	9-way	2002-479	25	1-conductor
	10-way	2002-480	25	suitable for E
	11-way	2002-481	25	blocks; coda
	12-way	2002-482	25	a tool
ontinuous ju	umper; insulated	; I <sub>N</sub> 25 A, light	gray	111
100	2-way	2002-400	25	Marking atrin
3				Marking strip
3.				0.
ontinuous ju	umper; insulated	l; I <sub>N</sub> 25 A; light	gray	
	1 to 3	2002-423	25	WMB Inline;
13	1 to 4	2002-424	25	stretchable 5
				-
ontinuous ju	umper; insulated	l; I <sub>N</sub> 25 A, light	gray	<b>3</b>
	3-way	2002-413	25	
16.0	5-way	2002-415	25	WMB marker
				stretchable 5
ush-in type ross-sectior	wire jumper; ins n; I <sub>N</sub> 18 A	ulated; 1.5 mm	n² conductor	TITITITE
	L = 60 mm	2009-412	100 (10)	

2009-414

2009-416

100 (10)

100 (10)

ps					
	Carrier with 6 coding pins; for coding female plugs				
	×	orange	2022-100	100 (2	5)
	Test pin; 1 mr	n Ø			
	/		859-500	1	
		x ec applicati	vith shorter lock ons; fits into carı		
	111	gray	2022-103/99	9-953	100
	Marking strip	; plain; 11 mm	wide; 50 m reel		
		white	2009-110	1	

Q.			
WMB Inline; p stretchable 5		VMB markers (5 mr	n)/reel;
•	white	2009-115	1
WMB marker stretchable 5		10 strips with 10 m	narkers/card;
	nlain	702 EE01	_

stretchable 5 5.2 mm	·		
plain	793-5501	5	

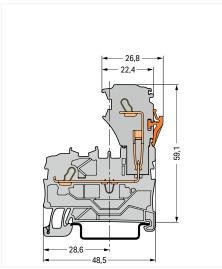
- Conductor range: 0.25 ... 4 mm² "s+f-st" Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
- **2** 630 V = rated voltage for use in Zone 2 hazardous areas, "ec" type of protection

#### Note:

When used as intended, female plugs must not be connected/disconnected when live or under load.

Please observe the application notes: Jumpers, from page 182 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



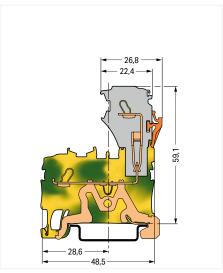
Carrier terminal block

 $630\ V$  = rated voltage for use in Zone 2 hazardous areas, "ec" type of protection

#### Ex marking:

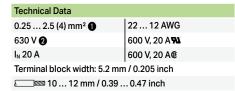
"Ex" sign and extended item number ".../999-953" are printed on the side of both carrier terminal blocks and female plugs with Ex approval.

Shorter locking lever (factory-mounted) makes accidental disconnection more difficult.



Ground carrier terminal block

### 1-Conductor/1-Pin Carrier Terminal Block, 2-Conductor/1-Pin Carrier Terminal Block, 2-Conductor/2-Pin Carrier Terminal Block X-COM®S-SYSTEM; for Ex ec Applications 2.5 (4) mm<sup>2</sup>; 2022 Series



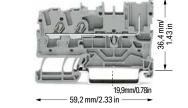
Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
630 V <b>2</b>	600 V, 20 A <b>91</b>	
I <sub>N</sub> 20 A	600 V, 20 A®	
Terminal block width: 5.2 mm / 0.205 inch		
10 12 mm / 0.39	0.47 inch	

Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
630 V <b>2</b>	600 V, 20 A <b>RL</b>	
I <sub>N</sub> 20 A	600 V, 20 A@	
Terminal block width: 5.2 mm / 0.205 inch		
2 10 12 mm / 0.39 0.47 inch		



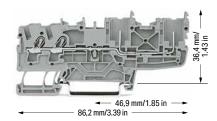
1-conductor/1-pin carrier terminal block; suitable for Ex ec applications		
Color	Item No.	Pack. Unit

COIOI	item No.	I don. Offic
○ gray ⑤	2022-1201/999-953	100
■ blue   □	2022-1204/999-953	100



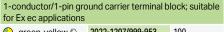
2-conductor/1- Ex ec application	pin carrier terminal bloons	ck; suitable for
Color	Item No	Pack Unit

0	gray 🗟	2022-1301/999-953	100
	blue 😉	2022-1304/999-953	100



2-conductor/2-pin carrier terminal block; suitable for Ex ec applications

Color	item No.	Pack. Uni
○ gray ⑤	2022-1401/999-953	50
blue	2022-1404/999-953	50

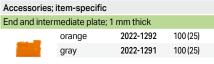


green-yellow 🛭	2022-1207/999-953	100

2-conductor/1-pin g	round carrier terminal	block; suitable
for Ex ec application	S	
aroon vollow	2022-1207/000-052	100

green-yellow 🕾	2022-1307/999-953	100	
Association item of			

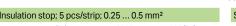






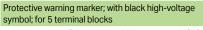


Accessories; 2022 Series



risulation stop, 5 pcs/str	ıp, 0.25 0.5 mm	F
light gray	2002-171	200 (25)

Insulation sto	op; 5 pcs/strip;	0.75 1 mm²		
00000	dark gray	2002-172	200 (25)	



Push-in type jumper bar; insulated;  $I_{N}$  25 A; light gray

2-way 3-way

4-way 5-way

6-way

7-way

8-way

9-way 10-way

1 to 3

1 to 4

1 to 5

1 to 6

1 to 7

1 to 8 1 to 9

1 to 10

Push-in type jumper bar; ins

yiriboi, ioi s	terrina biocks		
THE	yellow	2002-115	100 (25)

2002-402

2002-403

2002-404

2002-405

2002-406

2002-407

2002-408

2002-409

2002-410

ited; I<sub>N</sub> 25 2002-433

2002-434

2002-435

2002-436

2002-437

2002-438

2002-439

2002-440

25

25

25

25

25 25

25

25

25

25

25

25

25

25

25

25

25

#### Appropriate marking systems: WMB/WMB Inline/Marking strips Staggered jumper; insulated; I<sub>N</sub> 25 A; light gray



	- ,			
Push-in type w cross-section;		sulated; 1.5 mr	m² conducto	r
	L - CO	2000 412	100 (10)	

	L = 60 mm	2009-412	100 (10)
	L = 110 mm	2009-414	100 (10)
4	L = 250 mm	2009-416	100 (10)
Carrier with 6	coding pins; for	r coding fema	le plugs
-	orange	2022-100	100 (25)

X	
Test pin; 1 mm Ø	
_	

gray	

1-conductor female plug; with shorter locking lever; suitable for Ex ec applications; fits into carrier terminal blocks; codable

859-500



gray

2022-103/999-953

0.	white	2009-110	1	
WMB Inline, p 5 5.2 mm s		WMB markers (5 m	ım)/ree	l;
•	white	2009-115	1	
WMB markin 5 5.2 mm s	•	e; 10 strips with 10	) marke	ers
	plain	793-5501	5	

markers/card;

Marking strip; plain; 11 mm wide; 50 m reel





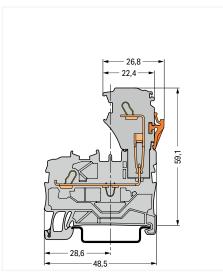


- Conductor range: 0.25 ... 4 mm<sup>2</sup> "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 2 630 V = rated voltage for use in Zone 2 hazardous areas, "nA" type of protection

When used as intended, female plugs must not be connected/disconnected when live or under load.

Please observe the application notes: Jumpers, from page 182 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



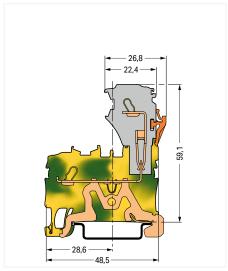
Carrier terminal block



630 V = rated voltage for use in Zone 2 hazardous areas, "nA" type of protection

#### Ex marking:

"Ex" sign and extended item number ".../999-953" are printed on the side of both carrier terminal blocks and female plugs with Ex approval.
Shorter locking lever (factory-mounted) makes accidental disconnection more difficult.



Ground carrier terminal block

## 2-Pin Carrier Terminal Block and 4-Pin Carrier Terminal Block X-COM®S-SYSTEM; for Ex ec Applications

2022 Series



630 V = rated voltage for use in Zone 2 hazardous areas, "nA" type of protection

Note:

When used as intended, female plugs must not be connected/disconnected when live or under load.

Please observe the application notes:
Jumpers, from page 182
Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

Accessories; 2022 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Marking strip; plain; 11 mm wide; 50 m reel
white 2009-110 1

WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable white 2009-115 1

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable plain 793-5501 5

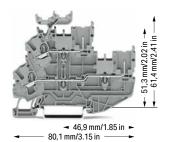




## 1-Conductor/1-Pin Double-Deck Carrier Terminal Block X-COM®S-SYSTEM; for Ex ec Applications

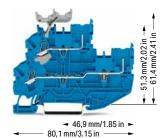
#### 2.5 (4) mm<sup>2</sup>; 2022 Series

Technical Data	
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG
	600 V; 20 A <b>RL</b>
I <sub>N</sub> 20 A	600 V; 20 A®
Terminal block width: 5.2 mm	
√ 20 12 mm / 0.39	. 0.47 inch



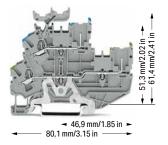
1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; with marker carrier; suitable for Ex ec applications; gray

	Item No.	Pack. Unit
○ L/L ®	2022-2231/999-953	50
○ N/L ⑤	2022-2232/999-953	50
○ L/N ©	2022-2233/999-953	50



1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; with marker carrier; suitable for Ex ec applications; blue

	Item No.	Pack. Unit
N/N ⊕	2022-2234/999-953	50



1-conductor/1-pin double-deck carrier terminal block; ground conductor/through terminal block; with marker carrier; for Ex ec applications; gray

	Item No.	Pack. Unit
○ PE/N ⓑ	2022-2247/999-953	50
O PE/L ©	2022-2257/999-953	50

1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; without marker carrier; for Ex ec applications; gray

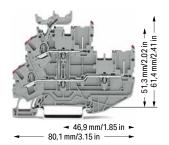
○ L/L ⑥	2022-2201/999-953	50
○ N/L ⑤	2022-2202/999-953	50
○ L/N ©	2022-2203/999-953	50

1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; without marker carrier; for Ex ec applications; blue

N/N 😉	2022-2204/999-953	50

1-conductor/1-pin double-deck carrier terminal block; ground conductor/through terminal block; without marker carrier; for Ex ec applications; gray

⊃ PE/N ©	2022-2217/999-953	50
⊃ PE/L ®	2022-2227/999-953	50



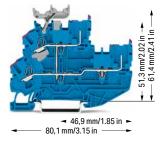
2-conductor/2-pin double-deck carrier terminal block; 2-conductor/2-pin through terminal block; with marker carrier, internally commoned; violet conductor entry; for Ex ec applications; gray

	item No.	I don. Offic
○ L ©	2022-2238/999-953	50

Pack Unit

2-conductor/2-pin double-deck carrier terminal block; 2-conductor/2-pin through terminal block; without marker carrier, internally commoned; violet conductor entry; for Ex ec applications; gray

○ L &	2022-2208/999-953	50
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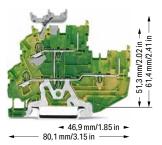


2-conductor/2-pin double-deck carrier terminal block; 2-conductor/2-pin through terminal block; with marker carrier, internally commoned; violet conductor entry;; for Ex ec applications; blue

	Item No.	Pack. Unit
N ₪	2022-2239/999-953	50

2-conductor/2-pin double-deck carrier terminal block; 2-conductor/2-pin through terminal block; without marker carrier, internally commoned; violet conductor entry; for Experience and provided the conductor

щ	iti y, ioi Ex ec applications, blue			
)	N 🗟	2022-2209/999-953	50	



2-conductor/2-pin double-deck carrier block; 2-conductor/2-pin ground conductor block; with marker carrier; internally commoned; for Ex ec applications; green-yellow

	Item No.	Pack. Unit
O PE ₪	2022-2237/999-953	50

2-conductor/2-pin double-deck carrier block; 2-conductor/2-pin ground conductor block; without marker carrier; internally commoned; for Ex ec applications; green-yellow

green yellow			
	O PE ₪	2022-2207/999-953	50

Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1 ... 4 mm2 "s" and 1 ... 2.5 mm2 "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

630 V = rated voltage for use in Zone 2 hazardous a areas, "nA" type of protection with double-deck vertical jumper,

When used as intended, female plugs must not be connected/disconnected when live or under load.

Please observe the application notes: Jumpers, from page 182 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2022 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### End and intermediate plate; 1 mm thick



orange	2022-2292	100 (25)
gray	2022-2291	100 (25)

#### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>



2002-171 200 (25) light gray

#### Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>



dark gray 2002-172 200 (25)

#### Protective warning marker; with black high-voltage symbol; for 5 terminal blocks



2002-115 yellow 100 (25)

#### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray



2002-402 25 2-way 25 2002-403 25 2002-404 2002-405 25 2002-406 25 7-way 2002-407 25 8-wav 2002-408 25 2002-409 25 9-way 10-way 2002-410 25

#### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray



1 to 3 2002-433 25 2002-434 25 1 to 4 1 to 5 2002-435 25 1 to 6 2002-436 25 2002-437 25 1 to 7 1 to 8 2002-438 25 1 to 9 2002-439 25 1 to 10 2002-440 25

2002-400

#### Continuous jumper; insulated; $I_N$ 25 A, light gray

2-way



#### Continuous jumper; insulated; $I_N$ 25 A; light gray



#### Continuous jumper; insulated; I<sub>N</sub> 25 A, light gray



2002-413 3-way 25 2002-415 25 5-wav

#### Accessories; 2022 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Double-deck vertical jumper; insulated; $I_{N}$ 24 A

light gray orange

2002-492 100 (25) 2002-492/000-012

100 (25)

#### Carrier with 6 coding pins; for coding female plugs



2022-100 orange 100 (25)

#### Test pin: 1 mm Ø

859-500 1

#### Test plug adapter; for 4 mm Ø test plug; I<sub>N</sub> 10 A



2009-174 100 (25) gray

#### Testing tap; for max. 2.5 mm<sup>2</sup>



2009-182 100 (25) gray

1-conductor female plug; with shorter locking lever; suitable for Ex ec applications; fits into carrier terminal blocks; codable



2022-103/999-953 100

#### Marking strip; plain; 11 mm wide; 50 m reel



white 2009-110

#### WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable



white

2009-115

1

5

#### WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

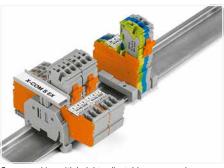


plain 793-5501

#### Double-deck marker carrier; pivoting



2002-121 50 (25)



Group marking with height-adjustable group marker carrier (Item No. 2009-163)

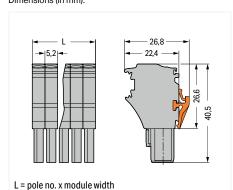
## 1-Conductor Female Plug X-COM®S-SYSTEM; for Ex ec Applications 2.5 (4) mm²; 2022 Series

## Technical Data 0.25 ... 2.5 (4) mm² ↑ 22 ... 12 AWG 630 V ♠ 600 V, 20 A N I<sub>N</sub> 20 A 600 V, 20 A €

Module width: 5.2 mm / 0.205 inch 2.205 inch 1.2 mm / 0.39 ... 0.47 inch



#### Dimensions (in mm):



1-conductor female plug; with shorter locking lever; suitable for Ex ec applications; fits into carrier terminal blocks; codable; gray

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

Pole No.	Item No.	Pack. Unit
O 2 ©	2022-102/999-953	200
○ 3 ⓑ	2022-103/999-953	100
O 4 ©	2022-104/999-953	100
5	2022-105/999-953	50
○ 6 🖾	2022-106/999-953	50
○ 7 ⑤	2022-107/999-953	50
○ 8 🕞	2022-108/999-953	50

#### Accessories; for female plugs

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

light gray 2002-171 200 (25)

Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>

dark gray 2002-172 200 (25)

Protective warning marker; with black high-voltage

yellow 2002-115 100 (25)

#### Carrier with 6 coding pins; for coding female plugs



range **2022-100** 100 (25

Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

630 V = rated voltage for use in Zone 2 hazardous areas, "nA" type of protection

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; for female plugs

Appropriate marking systems: WMB/WMB Inline/Marking strips

Strain relief plate; gray				
000	35 mm wide	734-326	100 (25)	
00	6 mm wide	734-327	100 (25)	
T.	12.5 mm wide	734-328	100 (25)	
	25 mm wide	734-329	100 (25)	
	55 mm wide	734-430	50 (25)	
	75 mm wide	734-431	50 (25)	

#### Marking strip; plain; 11 mm wide; 50 m reel

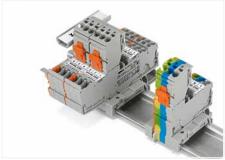
5...5.2 mm stretchable

white 2009-110

WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable white 2009-115 1

WMB marking card; white; 10 strips with 10 markers/card;

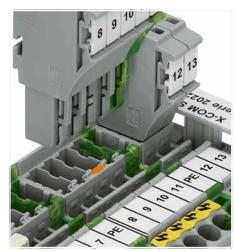
plain **793-5501** 5



Each female plug is supplied with a locking lever.



Coding a female plug: remove coding finger using a suitable tool.



Insert a coding pin (2022-100) into the corresponding location of the carrier terminal block.

## Pre-Assembled 1-Conductor Female Plug X-COM®S-SYSTEM; for Ex ec Applications 2.5 (4) mm²; 2022 Series

Technical Data			
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG		
630 V <b>2</b>	600 V, 20 A 👊		
I <sub>N</sub> 20 A	600 V, 20 A®		
Module width: 5.2 mm / 0.205 inch			
10 12 mm / 0.39 0.47 inch			

Technical Data			
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG		
	600 V, 20 A <b>RU</b>		
I <sub>N</sub> 20 A	600 V, 20 A®		
Module width: 5.2 mm / 0.205 inch			
E 10 12 mm / 0.39 0.47 inch			

Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

2 630 V = rated voltage for use in Zone 2 hazardous areas, "nA" type of protection

#### Note:

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

Approvals and corresponding ratings, visit www.wago.com





1-conductor female plug; with shorter locking lever; with ground base module (green-yellow); fits into carrier terminal blocks; codable

Pole No.	Item No.	Pack. Unit
3 🗟	2022-103/000-038/999-953	100
4 🖾	2022-104/000-038/999-953	100
5 🖾	2022-105/000-038/999-953	50
6 ₺	2022-106/000-038/999-953	50

1-conductor female plug; with shorter locking lever; with ground end module (green-yellow); fits into carrier terminal blocks; codable

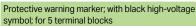
Pole No.	Item No.	Pack. Unit
3 🗟	2022-103/000-039/999-953	100
4 🖼	2022-104/000-039/999-953	100
5 😉	2022-105/000-039/999-953	50
6 ₺	2022-106/000-039/999-953	50

#### Accessories; for female plugs

Appropriate marking systems: WMB/WMB Inline/Marking strips



### Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup> dark gray 2002-172 200 (25)





#### Carrier with 6 coding pins; for coding female plugs

1	orange	2022-100	100 (25)
-			

Strain relief plate; gray			
980	35 mm wide	734-326	100 (25)
00	6 mm wide	734-327	100 (25)
1	12.5 mm wide	734-328	100 (25)
	25 mm wide	734-329	100 (25)
	55 mm wide	734-430	50 (25)
	75 mm wide	734-431	50 (25)
Marking strip;	plain; 11 mm wie	de; 50 m reel	
0.	white	2009-110	1

### WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; $5 \dots 5.2$ mm stretchable



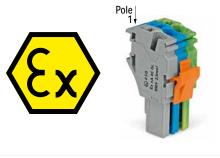
white

2009-115

### WMB marking card; white; 10 strips with 10 markers/card; $5\dots5.2$ mm stretchable



793-5501

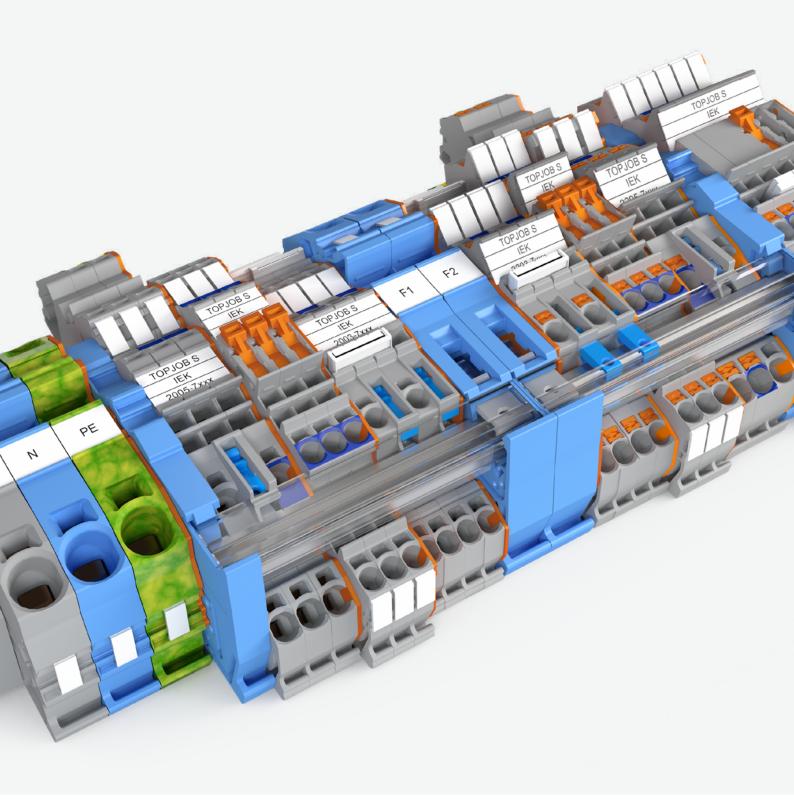


#### Ex marking:

"Ex" sign and extended item number ".../999-953" are printed on the side of both carrier terminal blocks and female plugs with Ex approval.

Shorter locking lever (factory-mounted) makes accidental disconnection more difficult.

237



# WAGO Installation Rail-Mount Terminal Blocks TOPJOB® S

### WAGO Installation Rail-Mount Terminal Blocks TOPJOB® S

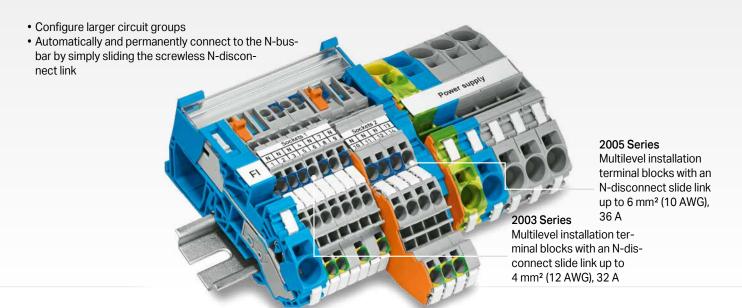
		Page
Multilevel Installation Terminal Blocks; with Operating Slot and Push-Button; with N-Disconnect Slide Link	2203 Series	244
0.25 2.5 (4) mm <sup>2</sup> (22 12 AWG)	2203 Series	252
Multilevel Installation Terminal Blocks; with Operating Slot and Push-Button; with Internal N-Disconnect 0.25 2.5 (4) mm² (22 12 AWG)	2003 Series	260
Multilevel Installation Terminal Blocks; with Internal N-Disconnection 0.25 2.5 (4) mm² (22 12 AWG)	2203 Series	246
Multilevel Installation Terminal Blocks; with Internal N-Disconnection 0.25 2.5 (4) mm² (22 12 AWG)	2003 Series	262
 Double-Fuse Plugs on Carrier Terminal Blocks	2003 Series	266
Multilevel Installation Terminal Blocks; with Operating Slot and Push-Button; with N-Disconnect Slide Link 0.5 4 (6) mm² (20 10 AWG)	2205 Series	250
Multilevel Installation Terminal Blocks; with N-Disconnect Slide Links 0.5 4 (6) mm $^2$ (20 10 AWG)	2005 Series	268
N-Disconnect Terminal Blocks and Power Distribution Disconnect Terminal Blocks 0.5 16 (25 "f-st") mm² (20 4 AWG)	2206/2216 Series	270
N-Disconnect Terminal Blocks and Power Distribution Disconnect Terminal Blocks 0.5 16 (25 "f-st") mm² (20 4 AWG)	2002/2006/2010/2016 Series	272
Supply Terminal Blocks for Distribution Boxes 0.5 16 (25 "f-st") mm² (20 4 AWG)	2016 Series	274
 Board Set	821 Series	276



## **Multilevel Installation Terminal Blocks**

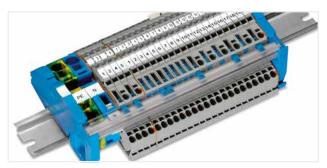
### For Building Installations and Industrial Applications

## Multilevel Installation Terminal Blocks with N-Disconnect Slide Links for Mounting with N-busbar

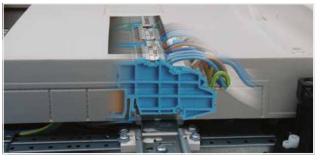


### **Maximum Touch-Proof Safety**

### **Maximum Wiring Space**

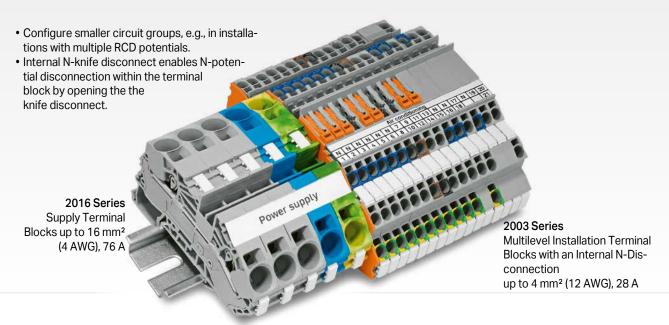


- Transparent busbar cover provides touch protection for the busbar.
- Cover enables user to see if N-disconnect slide links are connected to the N-busbar.



- 2003 and 2005 Series Multilevel Installation Terminal Blocks feature extremely compact dimensions while providing all of the functionality of a 4 mm² or 6 mm² terminal block.
- Maximize wiring space in standard distribution cabinets.

## Multilevel Installation Terminal Blocks with Internal N-Disconnection for Mounting without N-Busbar

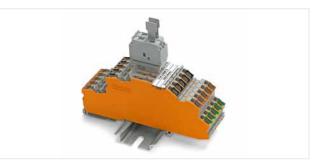


## Insulation Resistance Measurement – Fast and Safe



- Disconnect N-potential via pivoting knife disconnect.
- Plug N/L test adapter into the free shaft to link N and L conductors
- Measurement with connected live conductors halves testing times and protects the connected devices against high test voltage.

## Multilevel Installation Terminal Blocks as Fuse Terminal Block



- Multilevel installation terminal blocks carry a centered slot, allowing them to be used as fuse terminal blocks in a standard distribution board's cutout.
- The fuse plugs for microfuses can be used in combination with an end and intermediate plate (1 mm/0.039 inch thick).

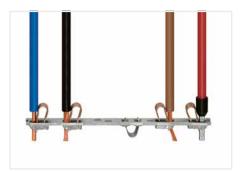
## Installation Rail-Mount Terminal Blocks TOPJOB® S Installation



Inserting a conductor via push-in termination.
Solid conductors with cross-sections from either one size above, or up to two sizes below, the rated cross-section can be simply pushed in – no tools needed.



Inserting a conductor via operating tool. Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, is performed similarly to the original CAGE CLAMP® – just use an operating tool.



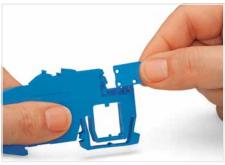
All conductor types at a glance



Mounting busbars on busbar carriers: Insert busbar ends onto large busbar carriers (Item No. 2009-305) or onto supply terminal blocks with an integrated busbar carrier.



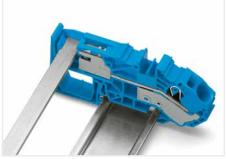
Removing the separator plate from the busbar carrier or from the N-disconnect terminal block.



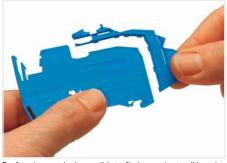
Inserting the separator plate into the busbar carrier to protect the N-busbar against accidental contact.



Inserting separator plate removed from N-disconnect terminal block.



Touch-proof N-busbar via inserted separator plate



Perforations make it possible to fit the carrier to all Installation Rail-Mount Terminal Blocks TOPJOB® S using a single part.



The compact busbar carrier (1.5 mm thick), which is placed every 200 mm, provides additional busbar support for longer assemblies.



The busbar transparent cover (Item No. 777-303) protects the busbar against accidental contact and makes it easy to see which terminal blocks are connected to the busbar.



Operating a disconnect slide link with an operating tool (3.5 mm blade width)
Item number (operating tool): 2009-309, 2009-310, 210-658 or 210-720



Push-in CAGE CLAMP® terminates the following copper conductors: solid "s"



stranded "st"



fine-stranded "f-st", also with tinned single strands

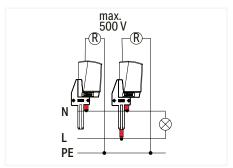
*MA*GO



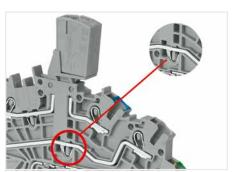
N-potential disconnection via N-knife disconnect within a terminal block assembly without a busbar.



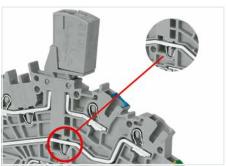
For multilevel installation terminal blocks with internal N-disconnection, test plug adapters can be inserted into the free vertical test slot when the N-potential is disconnected.



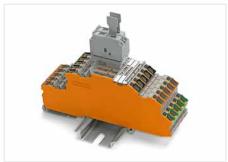
Test plug adapters for both individual N-potential measurement and insulation resistance measurement of the connected N- and L-potentials are available.



Multilevel installation terminal block fitted with an N/L-test plug adapter for quick and safe insulation resistance measurement of the connected N- and L-potentials



Multilevel installation terminal block fitted with an N-test plug adapter for insulation resistance measurement of the N-potential



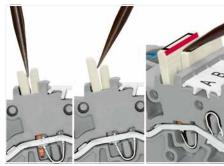
Single-fuse plugs can be used in combination with 1 mm thick end and intermediate plates on carrier terminal blocks without an N-knife disconnect.



Double-fuse plugs with 5 x 25 mm glass cartridge fuses can be used on carrier terminal blocks without an N-knife disconnect in standard terminal block width.



Commoning two potentials in one single jumper slot via extremely slim staggered jumpers.



Insert the operating tool between the staggered jumpers, then lift up the jumper.



fine-stranded, tip-bonded



fine-stranded, with ferrule (gastight crimped)



fine-stranded, with pin terminal (gastight crimped)



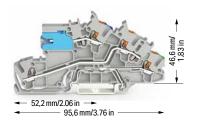
### Multilevel Installation Terminal Block TOPJOB® S; with Operating Slot and Push-Button; with N-Disconnect Slide Link

2.5 (4) mm<sup>2</sup>; 2203 Series

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 250 V/4 kV/3; 24 A (29 A) 2 400 V/6 kV/3; 24 A (29 A) 2 Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 400 V/6 kV/3 2 I<sub>N</sub> 24 A (31 A) Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 250 V/4 kV/3; 24 A (31 A) 2 400 V/6 kV/3; 24 A (31 A) 2 Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch



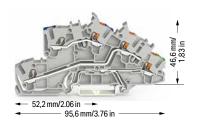
Multilevel installation terminal block; with operating slot and push-button; with N-disconnect slide link; gray

	Item No.	Pack. Unit
○ NT/L/PE	2203-7541	50



Multilevel installation terminal block; with operating slot and push-button; gray

	Item No.	Pack. Unit
○ L/L	2203-7542	50
○ N/L	2203-7549	50



Multilevel installation terminal block; with operating slot and push-button; gray Item No. Pack. Unit N/L/PE 2203-7546 50

2203-7545

50



95,6 mm/3.76 in Multilevel installation terminal block; with operating slot

and push-button; with N-disconnect slide link; gray

52.2 mm/2.06 in

	Item No.	Pack. Unit
○ NT/L	2203-7540	50
○ LT/L	2203-7559	50



Multilevel installation terminal block; with operating slot and push-button; gray

	Item No.	Pack. Unit
○ L	2203-7550	50
○ N	2203-7551	50

Appropriate marking systems: WMB/WMB Inline/Marking strips I-conductor N-disconnect terminal block; I<sub>N</sub> 76 A;

#### Accessories; 2203 Series

#### End and intermediate plate; 0.8 mm thick



2203-7692

100 (25)

Busbar carrier; not suitable as an end stop; snaps onto DIN-35 rail; 1.5 mm thick

Busbar carrier: with end stop function and detachable

separator plate; snaps onto DIN-35 rail; 7.5 mm thick

Busbar; tin-plated; 1000 mm long; copper (10 x 3) mm



blue

I<sub>N</sub> 140 A

2009-304

2009-305

210-133

100 (25)

1-conductor N-disconnect terminal block with push-button; I<sub>N</sub> 76 A; 16 mm<sup>2</sup>; 12 mm wide

-conductor N-disconnect terminal block: I<sub>N</sub> 125 A:



35 mm<sup>2</sup>: 16 mm wide

16 mm<sup>2</sup>; 12 mm wide

blue

blue

blue

15

785-613

2016-7714

2-conductor ground terminal block; 16 mm<sup>2</sup>; 12 mm wide

2-conductor through terminal block; I<sub>N</sub> 125 A; 35 mm<sup>2</sup>;

blue

2016-7607 green-yellow

785-601

785-604

15

15

#### 2-conductor ground terminal block with push-button; 16 mm<sup>2</sup>: 12 mm wide



green-yellow 2216-7607

2-conductor ground terminal block; 35 mm²; 16 mm wide

green-yellow 785-607 15



transparent

777-303

1

 $I_N$  76 A; 16 mm<sup>2</sup>; 12 mm wide gray blue

2016-7601 20 2016-7604 20

2-conductor supply terminal block for distribution boxes;

2-conductor supply terminal block for distribution boxes with push-button;  $I_N$  76 A; 16 mm²; 12 mm wide



gray blue 2216-7601 20 2216-7604 20



Connector; for busbar; 2.5 ... 16 mm<sup>2</sup> blue 210-281

100 (50)



- Conductor range: 0.25 ... 4 mm2 "s+f-st" Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
- 250 V / 400 V = rated voltage 4 kV / 6 kV = rated impulse voltage 3 = pollution degree 250 V/4 kV potential - ground 400 V/6 kV potential - potential

Please observe the application notes: Jumpers, from page 182 Testing accessories, page 181 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2203 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Connector; for busbar; 2.5 ... 35 mm<sup>2</sup>



silver-colored 209-105 50

#### Lock-out; prevents reclosing of slide link; snap-on type



2003-7300 100 (25) orange

#### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>



2002-171 200 (25)

#### Insulation stop; 5 pcs/strip; 0.75 ... 1 mm2

light gray



dark gray 2002-172 200 (25)

#### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray



2002-402 25 2-way 3-way 2002-403 25 2002-404 25 4-way 25 5-wav 2002-405 6-way 2002-406 25 2002-407 25 7-way 8-way 2002-408 25 25 9-way 2002-409 10-wav 2002-410 25

#### Push-in type jumper bar; insu nted; I<sub>N</sub> 25 A; light gray



1 to 3 2002-433 25 1 to 4 2002-434 25 1 to 5 2002-435 25 25 1 to 6 2002-436 2002-437 25 1 to 7 2002-438 25 1 to 8 1 to 9 2002-439 25 2002-440 25 1 to 10

#### Staggered jumper; insulated; $I_N$ 25 A; light gray



2002-472 25 2-way 2002-473 25 3-way 2002-474 25 4-way 2002-475 25 5-way 2002-476 25 6-way 7-way 2002-477 25 2002-478 8-way 25 25 9-way 2002-479 10-way 2002-480 25 2002-481 25 11-way 12-way 2002-482 25

#### Accessories; 2203 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing; IN 25 A;



1-3	2002-473/011-000	25
1-3-5	2002-475/011-000	25
1-3-5-7	2002-477/011-000	25
1-3-5-7-9	2002-479/011-000	25
1-3-5-7-9-11	2002-481/011-000	25

#### Continuous jumper; insulated; I<sub>N</sub> 25 A, 2-way

-	light gray	<b>2002-400</b> 25	
1	red	2002-400/000-005	25
1,4	blue	2002-400/000-006	25

#### Continuous jumper; insulated; $I_N$ 25 A; 1 to 3

-	light gray	<b>2002-423</b> 25	
1	red	2002-423/000-005	25
	blue	2002-423/000-006	25

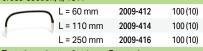
#### Continuous jumper; insulated; I<sub>N</sub> 25 A; 1 to 4

-	light gray	2002-424 25	
	red	2002-424/000-005	25
-	blue	2002-424/000-006	25
ontinuous ju	umper; insulated	; I <sub>N</sub> 25 A, light gray	

### Co



#### Push-in type wire jumper; insulated; 1.5 mm<sup>2</sup> conductor cross-section; I<sub>N</sub> 18 A



Test plug adapter; for 4 mm Ø test plug			
I.	gray	2009-174	100 (25)

#### Testing tap; for max. 2.5 mm<sup>2</sup>



### Marking strip; plain; 11 mm wide; 50 m reel



white 2009-110

100 (25)

1

5

50(1)

#### WMB Inline; plain; 1,500 WMB markers (5 mm)/reel; stretchable 5 ... 5.2 mm



2009-115 white

#### WMB marker card; white: 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm



Installation Terminal Blocks

793-5501

#### Operating tool; 3.5 mm and 2.5 mm blade; for TOPJOB® S Installation Terminal Blocks



Operating tool; 3.5 mm and 5.5 mm blade; for TOPJOB® S



2009-310 50(1)

2009-309

### Operating tool; (3.5 x 0.5) mm blade; with a partially



210-720

#### TOPJOB® S - Terminal Blocks for Every Application

- Push-in termination of solid conductors in small distribution boards saves time and money.
- Operating errors can be prevented as all TOPJOB® S Terminal Blocks for building installations are equipped with push-in connection technology.
- Using standard accessories reduces order processing and inventory costs.
- The busbar position is the same, making TOPJOB® S Installation Terminal Blocks compatible with standard TOPJOB® Installation Terminal Blocks.

For constructing and operating power installations in fireprone, hazardous locations or public buildings - such as conference centers, stores, hospitals, schools, theaters or hotels - the DIN VDE 0100-710 or DIN VDE 0100-718 standards shall be observed. DIN VDE 0100-482 shall also be observed for fire-prone, hazardous locations. These VDE regulations mandate that every neutral conductor must be provided with a disconnection device so, e.g., insulation resistance measurement is possible for every circuit without disconnecting the N-conductor WAGO's N-disconnect terminal blocks meet this require-

#### Application note:

N-disconnect slide links, used in installation terminal blocks, consist of switch contacts that are opened and then closed again as part of regular circuit testing. To guarantee a reliable connection, a corrosion-resistant contact area is required on the N-busbar.

Historically, uninsulated copper busbars that have been cleaned/stripped of any possible corrosion before install can be used in dry, pollution-free locations.

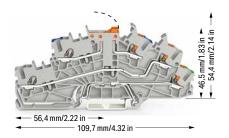
According to DIN VDE 0100-520 (VDE 0100, Part 520), installation equipment exposed to contamination or corrosive substances (e.g., water) that promote corrosion or deterioration must be protected or made of a corrosionor wear-resistant material. In these cases, tinned copper busbars guarantee a reliable connection.

WAGO only offers tinned copper busbars.

## Multilevel Installation Terminal Block TOPJOB® S; with Operating Slot and Push-Button; with Internal N-Disconnect

2.5 (4) mm<sup>2</sup>; 2203 Series

Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
400 V/6 kV/3 2		
I <sub>N</sub> 24 A (31 A)		
Terminal block width: 5.2	2 mm / 0.205 inch	
√ 2 10 12 mm / 0	.39 0.47 inch	



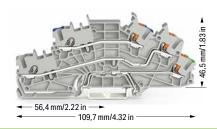
### Multilevel installation terminal block; with operating slot and push-button; with pivoting knife disconnect; gray

	Item No.	Pack. Unit
○ NT/L/PE	2203-6541	50
○ LT/L/PE	2203-6544	50



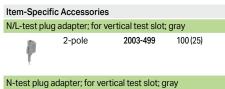
### Multilevel installation terminal block; with operating slot and push-button; gray

	Item No.	Pack. Unit
○ L/L	2203-6542	50
○ N/L	2203-6549	50



### Multilevel installation terminal block; with operating slot and push-button; gray

	Item No.	Pack. Unit
○ N/L/PE	2203-6546	50
○ L/L/PE	2203-6545	50



P

1-pole **2003-500** 100 (25)

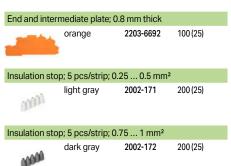


### Multilevel installation terminal block; with operating slot and push-button; gray

	Item No.	Pack. Unit
○ L	2203-6550	50
○ N	2203-6551	50

#### Accessories; 2203 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips



Push-in type jumper bar; insulated; I <sub>N</sub> 25 A; light gray			
-	2-way	2002-402	25
111	3-way	2002-403	25
Lice	4-way	2002-404	25
	5-way	2002-405	25
	6-way	2002-406	25
	7-way	2002-407	25
	8-way	2002-408	25
	9-way	2002-409	25
	10-way	2002-410	25

Push-in typ	e jumper bar; inst	ılated; I <sub>N</sub> 25 A	; light gray
-	1 to 3	2002-433	25
	1 to 4	2002-434	25
1 1	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 7	2002-437	25
	1 to 8	2002-438	25
	1 to 9	2002-439	25
	1 to 10	2002-440	25
Push-in typ	e wire jumper; ins	ulated; 1.5 mi	m² conductor
cross-sect	on; I <sub>N</sub> 18 A		
	L = 60 mm	2009-412	100 (10)
(	L = 110 mm	2009-414	100 (10)

2009-416

L = 250 mm

100 (10)

Conductor range: 0.25 ... 4 mm<sup>2</sup> "s+f-st" Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

2 250 V / 400 V = rated voltage 4 kV / 6 kV = rated impulse voltage 3 = pollution degree 250 V/4 kV potential - ground 400 V/6 kV potential – potential

Please observe the application notes: Jumpers, from page 182 Testing accessories, page 181 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2203 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

### Staggered jumper; insulated; I<sub>N</sub> 25 A; light gray 2002-472

Z-way	2002-412	23
3-way	2002-473	25
4-way	2002-474	25
5-way	2002-475	25
6-way	2002-476	25
7-way	2002-477	25
8-way	2002-478	25
9-way	2002-479	25
10-way	2002-480	25
11-way	2002-481	25
12-way	2002-482	25

Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing;  $I_{N}$  25 A; light gray



1-3	2002-473/011-000	25
1-3-5	2002-475/011-000	25
1-3-5-7	2002-477/011-000	25
1-3-5-7-9	2002-479/011-000	25
1-3-5-7-9-11	2002-481/011-000	25

d. L. 25 A. 1 to 4

#### Continuous jumper; insulated; $I_N$ 25 A, 2-way 2002-400 25 light gray 2002-400/000-005 25 red 2002-400/000-006 25 blue

Continuous ju	ımper; ınsulated	; $I_N$ 25 A; 1 to 3	3	
	light gray	2002-423	25	
	red	2002-423/000	-005	25
-	bluo	2002-422/000	-006	25

Jonana ja	riper, irisulatea,	IN 20 A, 1 to 4		
	light gray	2002-424	25	
	red	2002-424/000-	005	25
	blue	2002-424/000-	006	25

Continuous jumper; insulated; I <sub>N</sub> 25 A, light gray				
	3-way	2002-413	25	
16.6	5-way	2002-415	25	

Test plug adapter; for 4 mm Ø test plug				
4	gray	2009-174	100 (25)	

Testing t	ap; for max. 2.5	mm²	
0	gray	2009-182	100 (25)

#### Marking strip; plain; 11 mm wide; 50 m reel white 2009-110

#### Accessories; 2203 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

WMB Inline; plain; 1,500 WMB markers (5 mm)/reel; stretchable 5 ... 5.2 mm



white

2009-115

WMB marker card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm plain

793-5501

Operating tool; 3.5 mm and 2.5 mm blade; for TOPJOB® S Installation Terminal Blocks

2009-309 50 (1)

50(1)

Operating tool; 3.5 mm and 5.5 mm blade; for TOPJOB® S Installation Terminal Blocks

Operating tool; (3.5 x 0.5) mm blade; with a partially insulated shaft

210-720

2009-310



### Multilevel Installation Terminal Block TOPJOB® S; with Operating Slot and Push-Button 2.5 (4) mm<sup>2</sup>; 2203 Series

#### **Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 250 V/4 kV/3; 22 A (27 A) 2 400 V/6 kV/3; 22 A (27 A) 2 Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 250 V/4 kV/3; 22 A (27 A) 2 400 V/6 kV/3; 22 A (27 A) 2 Terminal block width: 5.2 mm / 0.205 inch

□ 10 ... 12 mm / 0.39 ... 0.47 inch



Multilevel installation terminal block; with operating slot and push-button; carrier terminal block without knife disconnect: grav

	Item No.	Pack. Unit
○ N/L/PE	2203-6540	50

Multilevel installation terminal block: carrier terminal block; with operating slot and push-button without knife disconnect; blue middle-deck; green-yellow lower-deck printing; gray

○ L/N/PE 2203-6561



Multilevel installation terminal block; with operating slot and push-button; carrier terminal block without knife disconnect: black upper-deck, brown middle-deck, green-yellow lower-deck printing

	Item No.	Pack. Unit
O P2/P1/PE	2203-6543	50

Multilevel installation terminal block; with operating slot and push-button; carrier terminal block without knife disconnect; brown upper-deck, black middle-deck, green-yellow lower-deck printing

P1/P2/PE 2203-6560

#### Accessories; 2203 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

### N/L-test plug adapter; for vertical test slot; gray

2003-499 100 (25)

#### N-test plug adapter; for vertical test slot; gray

1-pole 2003-500 100 (25)

#### End and intermediate plate; 0.8 mm thick



Fuse plug with pull-tab; for (5 x 20) mm glass cartridge

Electrical ratings are given by the fuse. 2004-911

End and intermediate plate; only for use with fuse plugs;

50

1 mm thick 2203-6693 100 (25) orange

Double-fuse plug; for (5 x 20) mm glass cartridge fuse

2003-911 2003-911/1000-923 gray 25

End and intermediate plate; 1 mm thick; only for use with double-fuse plugs



#### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray 2002-402 25

25 2002-403 3-way 2002-404 25 4-way 5-way 2002-405 25 2002-406 25 6-way 7-way 2002-407 25 8-way 2002-408 25 2002-409 25 9-way 10-way 2002-410 25

Push-in type jumper bar; ins ated: I<sub>N</sub> 25 A: aht ara 1 to 3 2002-433 25

2002-434 25 1 to 4 1 to 5 2002-435 25 1 to 6 2002-436 25 2002-437 25 1 to 7 1 to 8 2002-438 25 2002-439 1 to 9 25 1 to 10 2002-440 25

Continuous jumper; insulated; I<sub>N</sub> 25 A, 2-way

light gray 2002-400 red 2002-400/000-005 25 2002-400/000-006 blue 25 mper; insulated; I<sub>N</sub> 25 A; 1 to 3

2002-423 light gray red 2002-423/000-005 25 blue 2002-423/000-006 25

2002-424 25 light gray red 2002-424/000-005 25 blue 2002-424/000-006 25

2002-415

25

Continuous jumper; insulated; 3-way 2002-413 25 U

5-way

Continuous jumper; insulated;  $I_{\text{N}}$  25 A; 1 to 4

Conductor range: 0.25 ... 4 mm2 "s+f-st" Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

2 250 V / 400 V = rated voltage 4 kV / 6 kV = rated impulse voltage 3 = pollution degree 250 V/4 kV potential - ground 400 V/6 kV potential - potential Maximum current depends on accessories used.

Please observe the application notes: Jumpers, from page 182 Testing accessories, page 181 Marking, from page 322

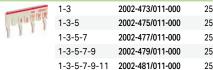
Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2203 Series

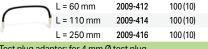
Appropriate marking systems: WMB/WMB Inline/Marking strips



Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing;  $I_N$  25 A; light gray



Push-in type wire jumper; insulated; 1.5 mm<sup>2</sup> conductor cross-section; I<sub>N</sub> 18 A



Test plug adapter; for 4 mm Ø test plug 2009-174 100 (25) gray

#### Testing tap; for max. 2.5 mm<sup>2</sup> 2009-182 100 (25) gray

#### Marking strip: plain: 11 mm wide: 50 m reel white 2009-110

WMB Inline; plain; 1,500 WMB markers (5 mm)/reel; stretchable 5 ... 5.2 mm



WMB marker card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm





#### Accessories; 2203 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Operating tool; 3.5 mm and 2.5 mm blade; for TOPJOB® S Installation Terminal Blocks

2009-309 50 (1)

Operating tool; 3.5 mm and 5.5 mm blade; for TOPJOB® S Installation Terminal Blocks

2009-310

50 (1)

1

Operating tool; (3.5 x 0.5) mm blade; with a partially insulated shaft  $\,$ 

210-720



### Multilevel Installation Terminal Block TOPJOB® S; with Operating Slot and Push-Button; with N-Disconnect Slide Link

4 (6) mm<sup>2</sup>; 2205 Series



Technical Data	
0.5 4 (6) mm <sup>2</sup>	20 10 AWG
400 V/6 kV/3 2	
I <sub>N</sub> 32 A (40 A)	
Terminal block width: 6.2	mm / 0.244 inch
□■ 11 13 mm / 0.4	13 0.51 inch

Technical Data	
0.5 4 (6) mm <sup>2</sup>	20 10 AWG
250 V/4 kV/3; 32 A (40 A)	3
400 V/6 kV/3; 32 A (40 A)	2
Terminal block width: 6.2	mm / 0.244 inch
<b>□</b> ■ 11 13 mm / 0.4	3 0.51 inch



Multilevel installation terminal block; with operating slot and push-button; with N-disconnect slide link; gray

	Item No.	Pack. Unit
○ NT/L/PE	2205-7541	50



Multilevel installation terminal block; with operating slot and push-button; gray

	Item No.	Pack. Unit
○ L/L	2205-7542	50
○ N/L	2205-7549	50

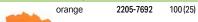


Multilevel installation terminal block; with operating slot and push-button; gray

	Item No.	Pack. Unit
○ N/L/PE	2205-7546	50
○ L/L/PE	2205-7545	50

Accessories: 2205 Series

#### End and intermediate plate; 1 mm thick



Busbar carrier; not suitable as an end stop; snaps onto DIN-35 rail; 1.5 mm thick



Busbar carrier; with end stop function and detachable separator plate; snaps onto DIN-35 rail; 7.5 mm thick

2009-305



Busbar; tin-plated; 1000 mm long; copper (10 x 3) mm

I<sub>N</sub> 140 A 210-133

### Busbar cover; 1000 mm long



1-conductor N-disconnect terminal block; I<sub>N</sub> 76 A; 16 mm<sup>2</sup>; 12 mm wide



1-conductor N-disconnect terminal block with push-button;  $I_N$  76 A; 16 mm<sup>2</sup>; 12 mm wide



2216-7714 20 blue

1-conductor N-disconnect terminal block; I<sub>N</sub> 125 A; 35 mm²; 16 mm wide



2-conductor supply terminal block for distribution boxes;  $I_N$  76 A; 16 mm<sup>2</sup>; 12 mm wide



#### Appropriate marking systems: WMB/Marking strips

2-conductor supply terminal block for distribution boxes with push-button; I<sub>N</sub> 76 A; 16 mm<sup>2</sup>; 12 mm wide

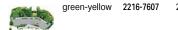
( SE - 10 )	gray	2216-7601	20
	blue	2216-7604	20

2-conductor through terminal block; I<sub>N</sub> 125 A; 35 mm<sup>2</sup>; 16 mm wide

600	gray	785-601	15	
	blue	785-604	15	



2-conductor ground terminal block with push-button;



2-conductor ground terminal block; 35 mm<sup>2</sup>; 16 mm wide green-yellow

Connector;	for busbar;	2.5 16 mm²	
	blue	210-281	100 (50)

Connector; for busbar; 2.5 ... 35 mm<sup>2</sup> silver-colored 209-105

50

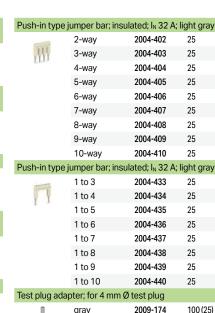
Lock-out; prevents reclosing of slide link; snap-on type

	orange	2005-7300	100 (25)
S. A.			

Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

00	light gray	2004-171	200 (25)
00000			

Insulation sto	p; 5 pcs/strip	; 0.75 1 mm²	
	dark gray	2004-172	200 (25)



		gray	2009	1-182	100 (25)	
Marki	ng strip	: plain: 11	mm wide: 50	) m reel		

2009-110

Testing tap; for max. 2.5 mm<sup>2</sup>

white

WMB marker card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm





Conductor range: 0.5 ... 6 mm² "s+f-st" Push-in termination: 1.5 ... 6 mm² "s" and 1.5 ... 4 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

250 V / 400 V = rated voltage 4 kV / 6 kV = rated impulse voltage 3 = pollution degree 250 V/4 kV potential – ground 400 V/6 kV potential – potential

Please observe the application notes: Testing accessories, page 181 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2205 Series

Operating tool; 3.5 mm and 2.5 mm blade; for TOPJOB® S Installation Terminal Blocks



2009-309 50 (1)

Operating tool; 3.5 mm and 5.5 mm blade; for TOPJOB® S Installation Terminal Blocks



2009-310 50 (1)

1

Operating tool; (3.5 x 0.5) mm blade; with a partially insulated shaft  $\,$ 



210-720

#### Application note:

N-disconnect slide links, used in installation terminal blocks, consist of switch contacts that are opened and then closed again as part of regular circuit testing. To guarantee a reliable connection, a corrosion-resistant contact area is required on the N-busbar.

Historically, uninsulated copper busbars that have been cleaned/stripped of any possible corrosion before install can be used in dry, pollution-free locations.

According to DIN VDE 0100-520 (VDE 0100, Part 520), installation equipment exposed to contamination or corrosive substances (e.g., water) that promote corrosion or deterioration must be protected or made of a corrosion- or wear-resistant material. In these cases, tinned copper busbars guarantee a reliable connection.

WAGO only offers tinned copper busbars.



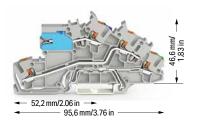
# Multilevel Installation Terminal Block TOPJOB® S; with Push-Button; with N-Disconnect Slide

2.5 (4) mm<sup>2</sup>; 2203 Series

Technical Data	
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG
250 V/4 kV/3; 24 A (29 A) 2	
400 V/6 kV/3; 24 A (29 A) 2	
Terminal block width: 5.2 m	m / 0.205 inch
1012 mm / 0.39	0.47 inch

Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
400 V/6 kV/3 2	•	
I <sub>N</sub> 24 A (31 A)		
Terminal block width: 5.2	mm / 0.205 inch	
■■ 10 12 mm / 0.3	39 0.47 inch	

Technical Data	
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG
250 V/4 kV/3; 24 A (31 A) 2	
400 V/6 kV/3; 24 A (31 A) 2	
Terminal block width: 5.2 mm	/ 0.205 inch
<b>□</b> ■ 10 12 mm / 0.39	. 0.47 inch



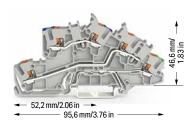
#### Multilevel installation terminal block; with push-button; with N-disconnect slide link; gray

	Item No.	Pack. Unit
○ NT/L/PE	2203-7641	50



#### Multilevel installation terminal block; with push-button; gray

	Item No.	Pack. Unit
○ L/L	2203-7642	50
○ N/L	2203-7649	50



#### Multilevel installation terminal block; with push-button; gray Item No. N/L/PE 2203-7646 50

2203-7645

50

○ L/L/PE



#### Multilevel installation terminal block; with push-button; with N-disconnect slide link; gray

	Item No.	Pack. Unit
○ NT/L	2203-7640	50
○ LT/L	2203-7659	50



# Multilevel installation terminal block; with push-button;

	Item No.	Pack. Unit
○ L	2203-7650	50
○ N	2203-7651	50

#### Accessories; 2203 Series

#### End and intermediate plate; 0.8 mm thick



2203-7692

100 (25)

Appropriate marking systems: WMB/WMB Inline/Marking strips 1-conductor N-disconnect terminal block with push-button;  $I_N$  76 A; 16 mm<sup>2</sup>; 12 mm wide



blue

2216-7714

#### 2-conductor ground terminal block; 35 mm<sup>2</sup>; 16 mm wide green-yellow 785-607

210-281





2009-304

100 (25)

1

1-conductor N-disconnect terminal block; I<sub>N</sub> 125 A; 35 mm²; 16 mm wide blue



785-613 15

Connector: for busbar: 2.5 ... 35 mm<sup>2</sup>

Connector; for busbar; 2.5 ... 16 mm<sup>2</sup>

blue

Busbar carrier; with end stop function and detachable separator plate; snaps onto DIN-35 rail; 7.5 mm thick



blue 2009-305

Busbar; tin-plated; 1000 mm long; copper (10 x 3) mm

gray blue

gray

blue

2-conductor supply terminal block for distribution boxes with push-button;  $I_N$  76 A; 16 mm<sup>2</sup>; 12 mm wide 20



16 mm wide

2216-7601 2216-7604

785-601

785-604

2-conductor through terminal block; I<sub>N</sub> 125 A; 35 mm<sup>2</sup>;

20

15

15

orange

Lock-out; prevents reclosing of slide link; snap-on type 2003-7300 100 (25)

I<sub>N</sub> 140 A

transparent

777-303

210-133

2-conductor ground terminal block with push-button;



green-yellow 2216-7607 mm

Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm light gray 2002-171

silver-colored 209-105

200 (25)

Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>



dark gray 2002-172 200 (25)

100 (50)

50



- Conductor range: 0.25 ... 4 mm² "s+f-st" Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
- 250 V / 400 V = rated voltage 4 kV / 6 kV = rated impulse voltage 3 = pollution degree 250 V/4 kV potential – ground 400 V/6 kV potential – potential

Please observe the application notes: Jumpers, from page 182 Testing accessories, page 181 Marking, from page 322

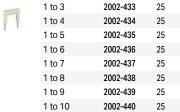
Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2203 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray 2-way 2002-402 25 2002-403 25 3-way 4-way 2002-404 25 25 2002-405 5-way 25 2002-406 6-way 7-way 2002-407 25 8-way 2002-408 25 9-way 2002-409 25 2002-410 25 10-way

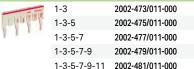
# Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray



#### Staggered jumper; insulated; I<sub>N</sub> 25 A; light gray



Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing;  $I_N$  25 A; light gray



Continuous jumper; insulated; $I_N$ 25 A, 2-way
---

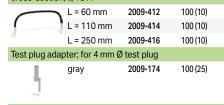
	Jan   Par .		
9	light gray	<b>2002-400</b> 25	
I	red	2002-400/000-005	25
	blue	2002-400/000-006	25

#### Accessories; 2203 Series

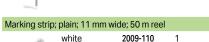
Appropriate marking systems: WMB/WMB Inline/Marking strips

Continuous j	umper; insulate	ed; I <sub>N</sub> 25 A; 1 to 3	
-	light gray	2002-423 25	j
	red	2002-423/000-005	5 25
-	blue	2002-423/000-006	<b>3</b> 25
Continuous j	umper; insulate	ed; I <sub>N</sub> 25 A; 1 to 4	
	light gray	2002-424 25	j
	red	2002-424/000-005	5 25
	blue	2002-424/000-006	<b>3</b> 25
Continuous j	umper; insulate	ed; I <sub>N</sub> 25 A, light gray	/
	3-way	<b>2002-413</b> 25	j
1.1	5-way	<b>2002-415</b> 25	i
1.10			

# Push-in type wire jumper; insulated; 1.5 mm $^2$ conductor cross-section; $I_N$ 18 A



# Testing tap; for max. 2.5 mm<sup>2</sup> gray 2009-182 100 (25)



# WMB Inline; plain; 1,500 WMB markers (5 mm)/reel; stretchable 5 ... 5.2 mm

white



2009-309

2009-310

50(1)

50(1)

2009-115

WMB marker card; white; 10 strips with 10 markers/card; stretchable 5  $\dots$  5.2 mm



# Operating tool; 3.5 mm and 2.5 mm blade; for TOPJOB® S Installation Terminal Blocks



Operating tool; 3.5 mm and 5.5 mm blade; for TOPJOB® S Installation Terminal Blocks



Operating tool; (3.5 x 0.5) mm blade; with a partially



25

25

25

25

25

210-720

#### TOPJOB® S - Terminal Blocks for Every Application

- Push-in termination of solid conductors in small distribution boards saves time and money.
- Operating errors can be prevented as all TOPJOB® S
   Terminal Blocks for building installations are equipped
   with push-in connection technology.
- Using standard accessories reduces order processing and inventory costs.
- The busbar position is the same, making TOPJOB® S Installation Terminal Blocks compatible with standard TOPJOB® Installation Terminal Blocks.

For constructing and operating power installations in fire-prone, hazardous locations or public buildings – such as conference centers, stores, hospitals, schools, theaters or hotels – the DIN VDE 0100-710 or DIN VDE 0100-718 standards shall be observed. DIN VDE 0100-482 shall also be observed for fire-prone, hazardous locations. These VDE regulations mandate that every neutral conductor must be provided with a disconnection device so, e.g., insulation resistance measurement is possible for every circuit without disconnecting the N-conductor. WAGO's N-disconnect terminal blocks meet this requirement.

#### Application note:

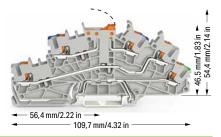
N-disconnect slide links, used in installation terminal blocks, consist of switch contacts that are opened and then closed again as part of regular circuit testing. To guarantee a reliable connection, a corrosion-resistant contact area is required on the N-busbar.

Historically, uninsulated copper busbars that have been cleaned/stripped of any possible corrosion before install can be used in dry, pollution-free locations.

According to DIN VDE 0100-520 (VDE 0100, Part 520), installation equipment exposed to contamination or corrosive substances (e.g., water) that promote corrosion or deterioration must be protected or made of a corrosionor wear-resistant material. In these cases, tinned copper busbars guarantee a reliable connection.

WAGO only offers tinned copper busbars.

# Multilevel Installation Terminal Block TOPJOB® S; with Push-Button; with Internal N-Disconnect 2.5 (4) mm²; 2203 Series

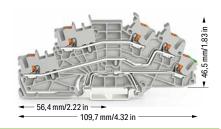


# Multilevel installation terminal block; with push-button; with pivoting knife disconnect; gray | Item No. | Pack Unit

	item No.	I don. Offic
○ NT/L/PE	2203-6641	50
○ LT/L/PE	2203-6644	50



Multilevel installation terminal block; with push-button;				
gray				
	Item No.	Pack. Unit		
○ L/L	2203-6642	50		
○ N/L	2203-6649	50		



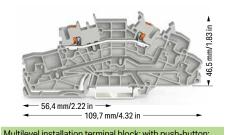
# Multilevel installation terminal block; with push-button; gray Item No. Pack. Unit ○ N/L/PE 2203-6646 50 ○ L/L/PE 2203-6645 50

# Item-Specific Accessories N/L-test plug adapter; for vertical test slot; gray 2-pole 2003-499 100 (25) N-test plug adapter; for vertical test slot; gray

1-pole

2003-500

100 (25)



gray			
	Item No.	Pack. Unit	
○ L	2203-6650	50	
○ N	2203-6651	50	

#### Accessories; 2203 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips



Push-in type jumper bar; insulated; I <sub>N</sub> 25 A; light gray				
	2-way	2002-402	25	
TYPE	3-way	2002-403	25	
Lie	4-way	2002-404	25	
	5-way	2002-405	25	
	6-way	2002-406	25	
	7-way	2002-407	25	
	8-way	2002-408	25	
	9-way	2002-409	25	
	10-way	2002-410	25	

Push-in ty	pe jumper bar; inst	ulated; I <sub>N</sub> 25 A	; light gray
-	1 to 3	2002-433	25
	1 to 4	2002-434	25
1 .	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 7	2002-437	25
	1 to 8	2002-438	25
	1 to 9	2002-439	25
	1 to 10	2002-440	25
,	rpe wire jumper; instition; I <sub>N</sub> 18 A	sulated; 1.5 m	m² conductor
	L = 60 mm	2009-412	100 (10)
	L = 110 mm	2009-414	100 (10)
4	L = 250 mm	2009-416	100 (10)

Conductor range: 0.25 ... 4 mm2 "s+f-st" Push-in termination: 1 ... 4 mm2 "s" and 1 ... 2.5 mm2 "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

2 250 V / 400 V = rated voltage 4 kV / 6 kV = rated impulse voltage 3 = pollution degree 250 V/4 kV potential – ground 400 V/6 kV potential – potential

Please observe the application notes: Jumpers, from page 182 Testing accessories, page 181 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2203 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Staggered jumper; insulated; I<sub>N</sub> 25 A; light gray



		0 ,	
2-way	2002-472	25	
3-way	2002-473	25	
4-way	2002-474	25	
5-way	2002-475	25	
6-way	2002-476	25	
7-way	2002-477	25	
8-way	2002-478	25	
9-way	2002-479	25	
10-way	2002-480	25	
11-way	2002-481	25	
12-way	2002-482	25	

Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing;  $I_N$  25 A; light gray



1-3	2002-473/011-000	25
1-3-5	2002-475/011-000	25
1-3-5-7	2002-477/011-000	25
1-3-5-7-9	2002-479/011-000	25
1-3-5-7-9-11	2002-481/011-000	25

#### Continuous jumper; insulated; $I_N$ 25 A, 2-way



2002-400 25 light gray 2002-400/000-005 25 red 2002-400/000-006 25 blue

# Continuous jumper; insulated; $I_N$ 25 A; 1 to 3



light gray 2002-423 2002-423/000-005 red 25 2002-423/000-006 blue 25

#### Continuous jumper; insulated; I<sub>N</sub> 25 A; 1 to 4 light gray

red

blue



2002-424 2002-424/000-005 25 2002-424/000-006 25

#### Continuous jumper; insulated; I<sub>N</sub> 25 A, light gray 3-wav



2002-413 25 2002-415 25

#### Test plug adapter; for 4 mm Ø test plug gray

5-way



2009-174

100 (25)

#### Testing tap; for max. 2.5 mm<sup>2</sup> gray



2009-182 100 (25)

#### Marking strip; plain; 11 mm wide; 50 m reel



2009-110

#### Accessories; 2203 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

WMB Inline; plain; 1,500 WMB markers (5 mm)/reel; stretchable 5 ... 5.2 mm



white

2009-115

WMB marker card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm

plain

793-5501

Operating tool; 3.5 mm and 2.5 mm blade; for TOPJOB® S Installation Terminal Blocks



2009-309 50 (1)

Operating tool; 3.5 mm and 5.5 mm blade; for TOPJOB® S Installation Terminal Blocks



2009-310 50(1)

Operating tool; (3.5 x 0.5) mm blade; with a partially insulated shaft



210-720



# Multilevel Installation Terminal Block TOPJOB® S; with Push-Button 2.5 (4) mm<sup>2</sup>; 2203 Series

#### **Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 250 V/4 kV/3; 22 A (27 A) 2 400 V/6 kV/3; 22 A (27 A) 2 Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch

**Technical Data** 22 ... 12 AWG 0.25 ... 2.5 (4) mm<sup>2</sup> 250 V/4 kV/3; 22 A (27 A) 2 400 V/6 kV/3; 22 A (27 A) 2 Terminal block width: 5.2 mm / 0.205 inch

□ 10 ... 12 mm / 0.39 ... 0.47 inch



Multilevel installation terminal block; with push-button; carrier terminal block without knife disconnect; gray

	Item No.	Pack. Unit
○ N/L/PE	2203-6640	50

Multilevel installation terminal block: carrier terminal block: with push-button without knife disconnect; blue middle-deck; green-yellow lower-deck printing; gray

109.7 mm/4.32 in

Multilevel installation terminal block; with push-button; carrier terminal block without knife disconnect; black upper-deck, brown middle-deck, green-vellow lower-deck printing

	Item No.	Pack. Unit
P2/P1/PE	2203-6643	50

Multilevel installation terminal block; with push-button: carrier terminal block without knife disconnect; brown upper-deck, black middle-deck, green-yellow lower-deck printing

O P1/P2/PE	2203-6660	50

#### Accessories; 2203 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

2-pole 2003-499 100 (25)	 			3)
	D	2-pole	2003-499	100 (25)

#### N-test plug adapter; for vertical test slot; gray

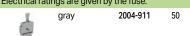
1-pole 2003-500 100 (25)

and intermediate plate; 0.8 mm thick	



Fuse plug with pull-tab; for (5 x 20) mm glass cartridge

Electrical ratings are given by the fuse.



End and intermediate plate; only for use with fuse plugs; 1 mm thick



Double-fuse plug; for (5 x 20) mm glass cartridge fuse Electrical ratings are given by the fuse.

2003-911

End and intermediate plate; 1 mm thick; only for use with double-fuse plugs



#### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray

W	2-way	2002-402	25
	3-way	2002-403	25
	4-way	2002-404	25
	5-way	2002-405	25
	6-way	2002-406	25
	7-way	2002-407	25
	8-way	2002-408	25
	9-way	2002-409	25
	10-way	2002-410	25

# Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray

1 to 3	2002-433	25
1 to 4	2002-434	25
1 to 5	2002-435	25
1 to 6	2002-436	25
1 to 7	2002-437	25
1 to 8	2002-438	25
1 to 9	2002-439	25
1 to 10	2002-440	25

# Continuous jumper; insulated; I<sub>N</sub> 25 A, 2-way

Conti

<b>19</b>	light gray	2002-400	25	
1	red	2002-400/000-	005	25
3**	blue	2002-400/000-	006	25
inuous ju	mper; insulated;	I <sub>N</sub> 25 A; 1 to 3		
-	light gray	2002-423	25	
	red	2002-423/000-	005	25

2002-423/000-006

25

### blue Continuous jumper; insulated; $I_N$ 25 A; 1 to 4

	light gray	2002-424 25	
13	red	2002-424/000-005	25
-	blue	2002-424/000-006	25

Conductor range: 0.25 ... 4 mm2 "s+f-st" Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

2 250 V / 400 V = rated voltage 4 kV / 6 kV = rated impulse voltage 3 = pollution degree 250 V/4 kV potential - ground 400 V/6 kV potential - potential Maximum current depends on accessories used.

Please observe the application notes: Jumpers, from page 182 Testing accessories, page 181 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2203 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

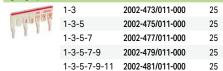
# Continuous jumper; insulated; I<sub>N</sub> 25 A, light gray

	3-way	2002-413	25
(0.0	5-way	2002-415	25
1.50			

# Staggered jumper; insulated; I<sub>N</sub> 25 A; light gray

	2-way	2002-472	25
	3-way	2002-473	25
	4-way	2002-474	25
	5-way	2002-475	25
	6-way	2002-476	25
	7-way	2002-477	25
	8-way	2002-478	25
	9-way	2002-479	25
	10-way	2002-480	25
	11-way	2002-481	25
	12-way	2002-482	25

Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing; IN 25 A; light gray



#### Push-in type wire jumper; insulated; 1.5 mm<sup>2</sup> conductor cross-section; I<sub>N</sub> 18 A

	L = 60 mm	2009-412	100 (10)
	L = 110 mm	2009-414	100 (10)
4	L = 250 mm	2009-416	100 (10)
Test plug ada	pter; for 4 mm Ø	test plug	
II,	gray	2009-174	100 (25)

#### Testing tap: for max, 2.5 mm 2009-182 100 (25) gray

Marking strip	; plain; 11	mm wide; 50 m reel		
0	white	2009-110	1	

# WMB Inline; plain; 1,500 WMB markers (5 mm)/reel;

tretchable 5	5.2 mm			
•	white	2009-115	1	

#### Accessories; 2203 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

WMB marker card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm plain

793-5501

Operating tool; 3.5 mm and 2.5 mm blade; for TOPJOB® S Installation Terminal Blocks

2009-309 50 (1)

Operating tool; 3.5 mm and 5.5 mm blade; for TOPJOB® S Installation Terminal Blocks

2009-310 50 (1)

Operating tool; (3.5 x 0.5) mm blade; with a partially insulated shaft  $\,$ 

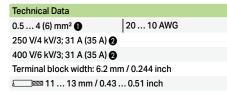
210-720

1



# Multilevel Installation Terminal Block TOPJOB® S; with Push-Button; with N-Disconnect Slide Link

### 4 (6) mm<sup>2</sup>; 2205 Series



Technical Data	
0.5 4 (6) mm <sup>2</sup>	20 10 AWG
400 V/6 kV/3 2	
I <sub>N</sub> 32 A (40 A)	
Terminal block width: 6.2	2 mm / 0.244 inch
<b>□</b> ■ 11 13 mm / 0.	43 0.51 inch

Technical Data		
0.5 4 (6) mm <sup>2</sup>	20 10 AWG	
250 V/4 kV/3; 32 A (40 A)	2	
400 V/6 kV/3; 32 A (40 A)	2	
Terminal block width: 6.2 mm / 0.244 inch		
11 13 mm / 0.43 0.51 inch		



Multilevel installation terminal block; with push-button; with N-disconnect slide link; gray

	Item No.	Pack. Unit
○ NT/L/PE	2205-7641	50



Multilevel installation terminal block; with push-button;				
gray				
	Item No.	Pack. Unit		
○ L/L	2205-7642	50		
○ N/L	2205-7649	50		



gray		
	Item No.	Pack. Unit
○ N/L/PE	2205-7646	50
○ L/L/PE	2205-7645	50

#### Accessories; 2205 Series

End and intermediate plate; 1 mm thick



Busbar carrier; not suitable as an end stop; snaps onto DIN-35 rail; 1.5 mm thick



Busbar carrier; with end stop function and detachable separator plate; snaps onto DIN-35 rail; 7.5 mm thick



2009-305

Busbar; tin-plated; 1000 mm long; copper (10 x 3) mm  $I_N$  140 A 210-133 1





1-conductor N-disconnect terminal block with push-button;  $I_{\rm N}$  76 A; 16  $\text{mm}^2$ ; 12 mm wide



1-conductor N-disconnect terminal block;  $I_{\rm N}$  125 A; 35 mm<sup>2</sup>; 16 mm wide



2-conductor supply terminal block for distribution boxes with push-button;  $l_{\text{\tiny N}}$  76 A; 16 mm²; 12 mm wide



2-conductor through terminal block;  $\rm I_N$  125 A; 35  $\rm mm^2;$  16  $\rm mm$  wide



#### Appropriate marking systems: WMB/Marking strips

2-conductor ground terminal block with push-button; 16 mm<sup>2</sup>: 12 mm wide



2-conductor ground terminal block; 35 mm²; 16 mm wide green-yellow 785-607 15



Connector; for busbar; 2.5 ... 16 mm<sup>2</sup>

7000to./10. 2002a./2.0				
<b>3</b>	blue	210-281	100 (50)	

Connector; for busbar; 2.5 ... 35 mm<sup>2</sup> silver-colored 209-105 50

Lock-out; prevents reclosing of slide link; snap-on type

orange 2005-7300 1

Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm² light gray 2004-171 200 (25)

Insulation stop; 5 pcs/strip; 0.75 ... 1 mm²

dark gray 2004-172 200 (25)

Push-in type jumper bar; insulated;  $I_N$  32 A; light gray 2-way 2004-402 25 25 3-way 2004-403 2004-404 25 4-way 2004-405 25 5-way 6-way 2004-406 25 2004-407 25 7-way 8-way 2004-408 25 9-way 2004-409 25 2004-410 10-way

#### Push-in type jumper bar; insulated; I<sub>N</sub> 32 A; light gray 1 to 3 2004-433 25 2004-434 25 1 to 4 1 to 5 2004-435 25 25 2004-436 1 to 6 2004-437 25 1 to 7 1 to 8 2004-438 25 2004-439 25 1 to 10 2004-440 25 Testing tap; for max. 2.5 mm<sup>2</sup> 100 (25) 2009-182 gray

Marking strip; plain	n; 11 mm wide; 50 m ree	el .
whit	te 2009-110	1

WMB marker card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm

793-5501

5

Operating tool; 3.5 mm and 2.5 mm blade; for TOPJOB® S Installation Terminal Blocks

2009-309 50 (1)

Operating tool; 3.5 mm and 5.5 mm blade; for TOPJOB® S Installation Terminal Blocks
2009-310 50 (1)

Operating tool;  $(3.5 \times 0.5)$  mm blade; with a partially insulated shaft



- Conductor range: 0.5 ... 6 mm² "s+f-st" Push-in termination: 1.5 ... 6 mm<sup>2</sup> "s" and 1.5 ... 4 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
- 2 250 V / 400 V = rated voltage 4 kV / 6 kV = rated impulse voltage 3 = pollution degree 250 V/4 kV potential - ground 400 V/6 kV potential – potential

Please observe the application notes: Testing accessories, page 181 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Application note:

N-disconnect slide links, used in installation terminal blocks, consist of switch contacts that are opened and then closed again as part of regular circuit testing. To guarantee a reliable connection, a corrosion-resistant contact area is required on the N-busbar.

Historically, uninsulated copper busbars that have been cleaned/stripped of any possible corrosion before install can be used in dry, pollution-free locations.

According to DIN VDE 0100-520 (VDE 0100, Part 520), installation equipment exposed to contamination or corrosive substances (e.g., water) that promote corrosion or deterioration must be protected or made of a corrosion- or wear-resistant material. In these cases, tinned copper busbars guarantee a reliable connection.

WAGO only offers tinned copper busbars.



259

# Multilevel Installation Terminal Block TOPJOB® S; with Operating Slot; with N-Disconnect Slide

2.5 (4) mm<sup>2</sup>; 2003 Series

# **Technical Data**

0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG

250 V / 4 kV / 3; 24 A (32 A) 2 400 V / 6 kV / 3; 24 A (32 A) 2

Terminal block width: 5.2 mm / 0.205 inch

□ 10 ... 12 mm / 0.39 ... 0.47 inch

#### **Technical Data**

0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG

400 V / 6 kV / 3 2

I<sub>N</sub> 24 A (32 A)

Terminal block width: 5.2 mm / 0.205 inch

□ 10 ... 12 mm / 0.39 ... 0.47 inch



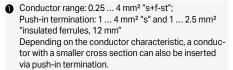
#### Multilevel installation terminal block; with N-disconnect slide link; gray

	Item No.	Pack. Unit
○ NT/L/PE	2003-7641	50



#### Multilevel installation terminal block; gray

	Item No.	Pack. Unit
○ L/L	2003-7642	50
○ N/L	2003-7649	50



2 250 V / 400 V = rated voltage 4 kV / 6 kV = rated impulse voltage 3 = pollution degree 250 V / 4 kV potential - ground 400 V / 6 kV potential - potential

Please observe the application notes: Jumpers, from page 182 Testing accessories, page 181 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2003 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### 2-conductor through terminal block; I<sub>N</sub> 125 A; 35 mm<sup>2</sup>; 16 mm wide



785-601 15 gray blue 785-604 15

#### 2-conductor ground terminal block; 16 mm²; 12 mm wide



green-yellow 2016-7607

785-607



#### 2-conductor ground terminal block; 35 mm²; 16 mm wide



Connector; for busbar; 2.5 ... 16 mm<sup>2</sup>

green-yellow



blue 210-281

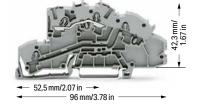
100 (50)

#### 96 mm/3.78 in Multilevel installation terminal block; with N-disconnect slide link; gray

52,5 mm/2.07 in

	Item No.	Pack. Unit
○ NT/L	2003-7640	50
○ LT/L	2003-7659	50

Multilevel installation terminal block; gray					
○ N/L/PE	2003-7646	50			
○ L/L/PE	2003-7645	50			



#### Multilevel installation terminal block; gray

	Item No.	Pack. Unit
○ L	2003-7650	50
○ N	2003-7651	50

#### Connector; for busbar; 2.5 ... 35 mm<sup>2</sup> unplated



# Lock-out; prevents reclosing of slide link; snap-on type



100 (25) 2003-7300 orange

#### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup> light gray

mm

2002-171

200 (25)

# Accessories; 2003 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

# End and intermediate plate; 0.8 mm thick

2003-7692

Busbar cover; 1000 mm long transparent

777-303

Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>

dark gray

2002-172

200 (25)

#### Busbar carrier; not suitable as an end stop; snaps onto DIN-35 rail; 1.5 mm thick



blue

2009-304

100 (25)



-conductor N-disconnect terminal block; I<sub>N</sub> 76 A;

#### Busbar carrier; with end stop function and detachable separator plate; snaps onto DIN-35 rail; 7.5 mm thick



2009-305 blue

25

blue

-conductor N-disconnect terminal block; I<sub>N</sub> 125 A; 35 mm<sup>2</sup>; 16 mm wide



-conductor supply terminal block for distribution boxes;

785-613

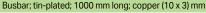
15

2016-7601 20 gray blue 2016-7604 20

### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray



2-way	2002-402	25	
3-way	2002-403	25	
4-way	2002-404	25	
5-way	2002-405	25	
6-way	2002-406	25	
7-way	2002-407	25	
8-way	2002-408	25	
9-way	2002-409	25	
10-way	2002-410	25	





I<sub>N</sub> 140 A

210-133

 $I_N$  76 A; 16 mm<sup>2</sup>; 12 mm wide

#### Accessories; 2003 Series Appropriate marking systems: WMB/WMB Inline/Marking strips Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray 1 to 3 2002-433 25 25 1 to 4 2002-434 25 1 to 5 2002-435 1 to 6 2002-436 25 2002-437 25 1 to 7 1 to 8 2002-438 25 1 to 9 2002-439 25 1 to 10 2002-440 25 Continuous jumper; insulated; I<sub>N</sub> 25 A, 2-way 25 light gray 2002-400 red 2002-400/000-005 25 2002-400/000-006 blue 25 Continuous jumper; insulated; I<sub>N</sub> 25 A; 1 to 3 2002-423 25 light gray 2002-423/000-005 25 blue 2002-423/000-006 25 Continuous j imper; insulated I<sub>N</sub> 25 A; 1 to 4 2002-424 25 light gray red 2002-424/000-005 25 2002-424/000-006 blue 25 Continuous jumper; insulated; I<sub>N</sub> 25 A, light gray 3-way 2002-413 25 2002-415 25 5-way Staggered jumper; insulated; $I_N$ 25 A; light gray 2002-472 25 2-way 25 3-way 2002-473 4-way 2002-474 25 5-way 2002-475 25 6-way 2002-476 25 7-way 2002-477 25 8-way 2002-478 25 2002-479 25 9-way 2002-480 25 10-way 11-way 2002-481 25 12-way 2002-482 25 Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing; I<sub>N</sub> 25 A; light gray 1-3 2002-473/011-000 25 1-3-5 2002-475/011-000 25 1-3-5-7 2002-477/011-000 25 1-3-5-7-9 2002-479/011-000 25 2002-481/011-000 1-3-5-7-9-11 25 Push-in type wire jumper; insulated; 1.5 mm² conductor cross-section: IN 18 A 2009-412 100 (10) L = 60 mmL = 110 mm 2009-414 100 (10) L = 250 mm 2009-416 100 (10) Test plug adapter; for 4 mm Ø test plug; I<sub>N</sub> 10 A gray 2009-174 100 (25) Testing tap; for max. 2.5 mm<sup>2</sup> 2009-182 100 (25)

#### Accessories; 2003 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable



white 2009-115

WMB marking card; white; 10 strips with 10 markers/card;  $5\dots5.2~\text{mm}$  stretchable

plain 793-5501

Operating tool; 3.5 mm and 2.5 mm blade width; for Installation Terminal Blocks TOPJOB® S



2009-309 50 (1)

2009-310

5

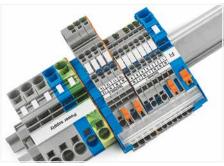
50(1)

Operating tool; 3.5 mm and 5.5 mm blade width; for Installation Terminal Blocks TOPJOB® S



Operating tool; blade 3.5 x 0.5 mm; with a partially insulated shaft  $\,$ 





#### TOPJOB® S - Terminal Blocks for Every Application

- Push-in termination of solid conductors in small distribution boards saves time and money.
- Operating errors can be prevented as all Terminal Blocks for building installations are equipped with push-in connection technology.
- Using standard accessories reduces order-processing and warehousing costs.
- The busbar position is the same, making Installation Terminal Blocks TOPJOB® S compatible with standard Installation Terminal Blocks TOPJOB®.

For the construction and operation of power installations in fire-prone, hazardous locations or public buildings – such as conference centers, stores, hospitals, schools, theaters or hotels – the DIN VDE 0100-710 or DIN VDE 0100-718 standards shall be observed. DIN VDE 0100-482 shall also be observed for fire-prone, hazardous locations. These VDE regulations mandate that every neutral conductor must be provided with a disconnection device so, e.g., insulation resistance measurement is possible for every circuit without disconnecting the N-conductor.

WAGO's N-disconnect terminal blocks meet this requirement.

#### Application note:

N-disconnect slide links, used in installation terminal blocks, consist of switch contacts that are opened and then closed again as part of regular circuit testing. To guarantee a reliable connection, a corrosion-resistant contact area is required on the N-busbar.

Historically, uninsulated copper busbars that have been cleaned/stripped of any possible corrosion before install can be used in dry, pollution-free locations.

According to DIN VDE 0100-520 (VDE 0100, Part 520), installation equipment exposed to contamination or corrosive substances (e.g., water) that promote corrosion or deterioration must be protected or made of a corrosion-or wear-resistant material. In these cases, tinned copper busbars guarantee a reliable connection.

WAGO only offers tinned copper busbars.

Marking strip; plain; 11 mm wide; 50 m reel

white

2009-110

# Multilevel Installation Terminal Block TOPJOB® S; with Operating Slot; with Internal N-Disconnection

2.5 (4) mm<sup>2</sup>; 2003 Series

#### 

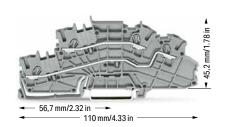
Technical Data	
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG
400 V / 6 kV / 3 2	300 V, 20 A 🗫
I <sub>N</sub> 24 A (28 A)	300 V, 20 A@
Terminal block width: 5.2 mm / 0.205 inch	
10 12 mm / 0.39	. 0.47 inch

Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
250 V / 4 kV / 3; 24 A (28 A) 2	300 V, 20 A <b>N</b>	
400 V / 6 kV / 3; 24 A (28 A) 2	300 V, 20 A@	
Terminal block width: 5.2 mm / 0.205 inch		
■ 10 12 mm / 0.39	0.47 inch	

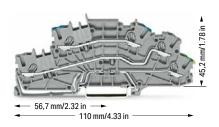


Multilevel installation terminal block; with pivoting knife disconnect; gray			
	Item No.	Pack. Unit	
O NIT/L/DE	2002 CC41	F0	

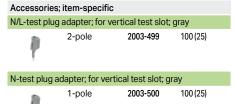
	Item No.	Pack. Unit
○ NT/L/PE	2003-6641	50
○ LT/L/PE	2003-6644	50

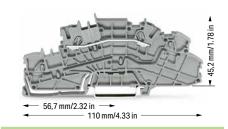


Multilevel installation terminal block, gray		
	Item No.	Pack. Unit
○ L/L	2003-6642	50
○ N/L	2003-6649	50



Multilevel installation terminal block; gray			
	Item No.	Pack. Unit	
○ N/L/PE	2003-6646	50	
○ L/L/PE	2003-6645	50	

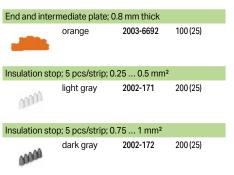




Multilevel installation terminal block; gray			
	Item No.	Pack. Unit	
○ L	2003-6650	50	
○ N	2003-6651	50	

Accessories; 2003 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips



٦Þ	propriate mai	King systems. w	ווווווו טועועע יטועו	erivial Kirig Strip
	Push-in type j	jumper bar; insul	ated; I <sub>N</sub> 25 A; li	ght gray
		2-way	2002-402	25
	TYPE	3-way	2002-403	25
	Lie	4-way	2002-404	25
		5-way	2002-405	25
		6-way	2002-406	25
		7-way	2002-407	25
		8-way	2002-408	25
		9-way	2002-409	25
		10-way	2002-410	25

Push-in typ	e jumper bar; insı	ulated; I <sub>N</sub> 25 A	; light gray
-	1 to 3	2002-433	25
V	1 to 4	2002-434	25
1	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 7	2002-437	25
	1 to 8	2002-438	25
	1 to 9	2002-439	25
	1 to 10	2002-440	25
Push-in type wire jumper; insulated; 1.5 mm $^2$ conductor cross-section; $I_N$ 18 A			
	L = 60 mm	2009-412	100 (10)
(	L = 110 mm	2009-414	100 (10)
4	L = 250 mm	2009-416	100 (10)

- Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1 ... 4 mm2 "s" and 1 ... 2.5 mm2 "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 2 250 V / 400 V = rated voltage 4 kV / 6 kV = rated impulse voltage 3 = pollution degree 250 V / 4 kV potential - ground 400 V / 6 kV potential – potential

Please observe the application notes: Jumpers, from page 182 Testing accessories, page 181 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2003 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Staggered jumper; insulated; I<sub>N</sub> 25 A; light gray



2-way	2002-472	25	
3-way	2002-473	25	
4-way	2002-474	25	
5-way	2002-475	25	
6-way	2002-476	25	
7-way	2002-477	25	
8-way	2002-478	25	
9-way	2002-479	25	
10-way	2002-480	25	
11-way	2002-481	25	
12-way	2002-482	25	

Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing;  $I_N$  25 A; light gray

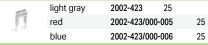


1-3	2002-473/011-000	25
1-3-5	2002-475/011-000	25
1-3-5-7	2002-477/011-000	25
1-3-5-7-9	2002-479/011-000	25
1-3-5-7-9-11	2002-481/011-000	25

#### Continuous jumper; insulated; I<sub>N</sub> 25 A, 2-way

-	light gray	2002-400	25
1	red	2002-400/00	0-005
3"	blue	2002-400/00	0-006

### Continuous jumper; insulated; $I_{\text{N}}$ 25 A; 1 to 3



## Continuous jumper; insulated; $I_{N}$ 25 A; 1 to 4

-	light gray	2002-424	25	
	red	2002-424/000-	005	25
	blue	2002-424/000-	006	25
ntinuous iu	mner insulated	L 25 A light a	rav	

### Co

ontinuous	s jumper; insula	ated; I <sub>N</sub> 25 A, light	gray	
	3-way	2002-413	25	
1.1	5-way	2002-415	25	

#### Test plug adapter; for 4 mm Ø test plug; I<sub>N</sub> 10 A

2009-174 100 (25) gray

2009-182

#### Testing tap; for max. 2.5 mm<sup>2</sup>



100 (25)

25 25

#### Accessories; 2003 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Marking strip; plain; 11 mm wide; 50 m reel

white

2009-110

#### WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

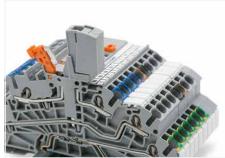


2009-115

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

plain

793-5501



For multilevel installation terminal blocks with internal N-disconnection, test plug adapters can be inserted into the free vertical test slot when the N-potential is disconnected.

Operating tool; 3.5 mm and 2.5 mm blade width; for Installation Terminal Blocks TOPJOB® S

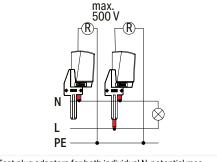
2009-309 50(1)

Operating tool; 3.5 mm and 5.5 mm blade width; for Installation Terminal Blocks TOPJOB® S

2009-310 50(1)

Operating tool; blade 3.5 x 0.5 mm; with a partially insulated shaft

210-720



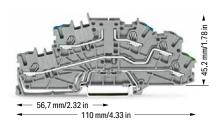
Test plug adapters for both individual N-potential measurement and insulation resistance measurement of the connected N- and L-potentials are available.

# Multilevel Installation Terminal Block TOPJOB® S

# 2.5 (4) mm<sup>2</sup>; 2003 Series

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 250 V / 4 kV / 3; 20 A (25 A) 2 250 V, 6,3 A 51 400 V / 6 kV / 3; 20 A (25 A) 2 300 V, 20 A 6 Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 250 V / 4 kV / 3; 20 A (25 A) 2 250 V, 6,3 A 71 400 V / 6 kV / 3; 20 A (25 A) 2 300 V, 20 A@ Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch

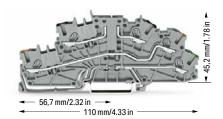


Multilevel installation terminal block; carrier terminal block without knife disconnect; gray

	Item No.	Pack. Unit
○ N/L/PE	2003-6640	50
○ L/L/PE	2003-6662	50

Multilevel installation terminal block; carrier terminal block without knife disconnect; blue middle-deck; green-yellow lower-deck printing; gray

 L/N/PE 2003-6661



Multilevel installation terminal block; carrier terminal block without knife disconnect; black upper-deck, brown middle-deck, green-vellow lower-deck printing

Item No.	Pack. Unit
2003-6643	50

Multilevel installation terminal block; carrier terminal block without knife disconnect; brown upper-deck, black middle-deck, green-yellow lower-deck printing

2003-6660

#### Accessories: 2003 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

N/L-test plu	ig adapter; for	vertical test slot;	gray
P	2-pole	2003-499	100 (25)

				- 3	
1-pole 2003-500 100 (25)	D	1-pole	2003-500	100 (25)	

End and	intermedia	te plate; 0.8	3 mm thick

-	orange	2003-6692	100 (25)

Fuse plug with pull-tab; for 5 x 20 mm glass cartridge

Electrical ratings are given by the fuse. 2004-911 50 gray

End and intermediate plate; only for use with fuse plugs; 1 mm thick

100 (25) 2003-6693 orange

Double-fuse plug; for 5 x 20 mm glass cartridge fuse Electrical ratings are given by the fuse.

2003-911 25

End and intermediate plate; 1 mm thick; only for use with double-fuse plugs



# Push-in type jumper bar; insulated; l<sub>N</sub> 25 A; light gray

2-way	2002-402	25	
3-way	2002-403	25	
4-way	2002-404	25	
5-way	2002-405	25	
6-way	2002-406	25	
7-way	2002-407	25	
8-way	2002-408	25	
9-way	2002-409	25	
10-way	2002-410	25	

ush-in type j	umper bar; i	insulated; I <sub>N</sub> 25 A; I	light gray
-	1 to 3	2002-433	25
V	1 to 4	2002-434	25
1	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 7	2002-437	25

1 to 8 2002-438 25 1 to 9 2002-439 25 2002-440 25 1 to 10

Push-in type wire jumper; insulated; 1.5 mm<sup>2</sup> conductor cross-section; I<sub>N</sub> 18 A

	L = 60 mm	2009-412	100 (10)
	L = 110 mm	2009-414	100 (10)
4	L = 250 mm	2009-416	100 (10)

Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

2 250 V / 400 V = rated voltage 4 kV / 6 kV = rated impulse voltage 3 = pollution degree 250 V / 4 kV potential - ground 400 V / 6 kV potential - potential Maximum current depends on accessories used.

Please observe the application notes: Jumpers, from page 182 Testing accessories, page 181 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2003 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Staggered jumper; insulated; I<sub>N</sub> 25 A; light gray 2-way 2002-472 3-way 2002-473

25 4-way 2002-474 25 2002-475 25 5-way 2002-476 25 6-way 7-way 2002-477 25 2002-478 25 8-way 9-way 2002-479 25 10-way 2002-480 25 2002-481 25 11-way 12-way 2002-482

25

Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing;  $I_N$  25 A; light gray



### Continuous jumper; insulated; I<sub>N</sub> 25 A, 2-way

Ī	light gray	<b>2002-400</b> 25		
	red	2002-400/000-005	25	
Ju.	blue	2002-400/000-006	25	
tinuous jumper; insulated; I <sub>N</sub> 25 A; 1 to 3				

#### Conf light gray 2002-423

red

	blue	2002-423/000	-006	25
Continuous ju	mper; insulated;	I <sub>N</sub> 25 A; 1 to 4		
	light gray	2002-424	25	
F	red	2002-424/000	-005	25
	blue	2002-424/000	-006	25
Continuous iu	mnori inquilatodi	L DE A light o	arov.	

3-way

pluy a	uapter, for 4 fr	iiii & test plug, iii	IUA	
1	gray	2009-174	100 (25)	
7				

2002-413

2002-415

2009-182

#### Testing tap; for max. 2.5 mm<sup>2</sup>



100 (25)

25

25

25

25

2002-423/000-005

#### Accessories; 2003 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Marking strip; plain; 11 mm wide; 50 m reel

white

2009-110

#### WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable



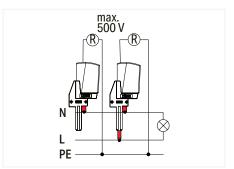
2009-115

#### WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

793-5501



Single-fuse plugs can be used in combination with 1  $\mbox{mm}$ thick end and intermediate plates on carrier terminal blocks without an N-knife disconnect.



Test plug adapters for both individual N-potential measurement and insulation resistance measurement of the connected N- and L-potentials are available.

# Operating tool; 3.5 mm and 2.5 mm blade width; for Installation Terminal Blocks TOPJOB® S



2009-309 50 (1)

#### Operating tool; 3.5 mm and 5.5 mm blade width; for Installation Terminal Blocks TOPJOB® S

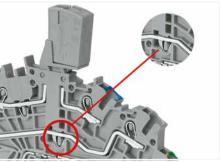


2009-310 50 (1)

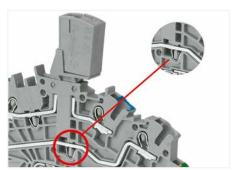
Operating tool; blade 3.5 x 0.5 mm; with a partially insulated shaft



210-720



Multilevel installation terminal block fitted with an N/L-test plug adapter for quick and safe insulation resistance measurement of the connected N- and L-potentials



Multilevel installation terminal block fitted with an N-test plug adapter for insulation resistance measurement of the N-potential

### Double-Fuse Plug TOPJOB® S on Carrier Terminal Block 2.5 (4) mm<sup>2</sup> 2003 Series

**Technical Data** 

250 V / I<sub>N</sub> 6.3 A

Plug width: 10.4 mm / 0.409 inch

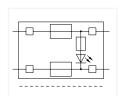




250 V /  $I_N$  6.3 A

Plug width: 10.4 mm / 0.409 inch





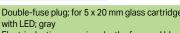
Double-fuse plug; for 5 x 20 mm glass cartridge fuse Electrical ratings are given by the fuse.

Color	Item No.	Pack. Unit
gray	2003-911	50

Double-fuse plug; for 5 x 20 mm glass cartridge fuse;

Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED

	Item No.	Pack. Unit
O 230 V	2003-911/1000-923	50



#### Accessories; for fuse plugs

Appropriate marking systems: WMB/Marking strips

2-conductor carrier terminal block; 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



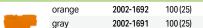
2002-1661

0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



2002-1961

# End and intermediate plate; 1 mm thick



2002-1691 100 (25)

3-conductor carrier terminal block; 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



2002-1761 50 gray

End and intermediate plate; 1 mm thick

100 (25) 2002-1792 orange 2002-1791 100 (25) arav

4-conductor carrier terminal block; 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



2002-1861



 orange	2002-1892	100 (25)
gray	2002-1891	100 (25)

End plate	for fuse terminal	blocks; 2 mm th	nick
100	orange	2002-992	100 (25)

orange	2002-992	100 (25)
gray	2002-991	100 (25)

#### End and intermediate plate; 1 mm thick

 orange	2002-1992	100 (25)
gray	2002-1991	100 (25)

Double-deck carrier terminal block: 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

L/L



Double-deck carrier terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch L/N 2002-2963



Double-deck carrier terminal block;  $0.25 \dots 2.5 \, \text{(4)} \, \text{mm}^2 \, \text{/} \, 22 \dots 12 \, \text{AWG}$ Terminal block width: 5.2 mm / 0.205 inch



L/L

2002-2941

2002-2961

50

End and intermediate plate; 1 mm thick 2002-2992



Shorting link; 5 x 20 mm; allows the fuse plug to be used as a disconnect plug



I<sub>N</sub> 6.3 A 281-503 Length for 2002-1661 - 66.5 mm / 2.62 inch 2-conductor carrier terminal block

Length for 2002-1761 - 76.8 mm / 3.02 inch 3-conductor carrier terminal block

Length for 2002-1861 - 87.5 mm / 3.45 inch 4-conductor carrier terminal block

Length for 2002-1961 - 72.9 mm / 2.87 inch 2-conductor carrier terminal block with additional

Length for 2002-2961 - 108 mm / 4.25 inch Double-deck carrier terminal block

Length for 2003-6640 - 110 mm / 4.33 inch Multilevel Installation Terminal Block

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; for fuse plugs

Appropriate marking systems: . WMB/Marking strips

Multilevel installation terminal block; 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

> N/L/PE 2003-6640

Multilevel installation terminal block;

0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

L/N/PE



Multilevel installation terminal block: 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

P2/P1/PE

2003-6661



Multilevel installation terminal block: 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

P1/P2/PE 2003-6660

End and intermediate plate; 0.8 mm thick

orange 100 (25) 2003-6692

End and intermediate plate; 1 mm thick; only for use with double-fuse plugs



2003-6694 100 (25)

50

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

> plain 793-5501

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

F1,, F10 (10x)	794-5615	5
F11,, F20 (10x)	794-5616	5
F21,, F30 (10x)	794-5617	5
F31,, F40 (10x)	794-5618	5
F41,, F50	794-5619	5

(10x)





Double-fuse plugs with 5 x 25 mm glass cartridge fuses can be used on carrier terminal blocks without an N-knife disconnect in standard terminal block width.

Class	cartridge	fucas	E v	าก
Glass	cartridge	uses	ЭX	ZU

Series Item No.	Overload and short circuit protection			circuit ion only
	Individual argmt.	Group argmt.	Individual argmt.	Group argmt.
Fuse terminal blocks				
2003-911 2003-911/	1.6 W	1.6 W	2.5 W	2.5 W

When selecting glass cartridge fuses, make sure that the maximum power loss listed below is not exceeded. The power loss is determined according to IEC or EN 60947-7-3/VDE 0611-6 at 23°C. The temperature rise of the terminal blocks must be checked according to their application and mounting. Higher ambient temperatures represent an additional impact on fuse cartridges. Therefore, in such applications, the rated current must be reduced if necessary. More details are available from the manufacturers.



# Multilevel Installation Terminal Block TOPJOB® S; with Operating Slot; with N-Disconnect Slide

4 (6) mm<sup>2</sup>; 2005 Series

**Technical Data** 0.5 ... 4 (6) mm<sup>2</sup> 20 ... 10 AWG 250 V / 4 kV / 3; 32 A (36 A) 2 400 V / 6 kV / 3; 32 A (36 A) 2 Terminal block width: 6.2 mm / 0.244 inch □ 11 ... 13 mm / 0.43 ... 0.51 inch

**Technical Data** 0.5 ... 4 (6) mm<sup>2</sup> 20 ... 10 AWG 400 V / 6 kV / 3 2 I<sub>N</sub> 32 A (36 A) Terminal block width: 6.2 mm / 0.244 inch □ 11 ... 13 mm / 0.43 ... 0.51 inch

**Technical Data** 0.5 ... 4 (6) mm<sup>2</sup> 20 ... 10 AWG 250 V / 4 kV / 3; 32 A (36 A) 2 400 V / 6 kV / 3; 32 A (36 A) 2 Terminal block width: 6.2 mm / 0.244 inch □ 11 ... 13 mm / 0.43 ... 0.51 inch



#### Multilevel installation terminal block; with N-disconnect slide link; gray

	Bestellnr.	VPE
○ NT/L/PE	2005-7641	50



# Multilevel installation terminal block; gray

	Bestellnr.	VPE
○ L/L	2005-7642	50
○ N/L	2005-7649	50



#### Multilevel installation terminal block; gray Bestellnr. VPF ○ N/L/PE 2005-7646 50 ○ L/L/PE 50 2005-7645

Push-in type jumper bar; insulated;  $I_N$  32 A; light gray

#### Accessories; 2005 Series

#### End and intermediate plate; 1 mm thick

2005-7692 100 (25) orange

Busbar carrier; not suitable as an end stop; snaps onto DIN-35 rail; 1.5 mm thick



Busbar carrier; with end stop function and detachable separator plate; snaps onto DIN-35 rail; 7.5 mm thick



2009-305

Busbar; tin-plated; 1000 mm long; copper (10 x 3) mm

Busbar cover;	1000 mm long



#### Lock-out; prevents reclosing of slide link; snap-on type



2005-7300

100 (25)

1-conductor N-disconnect terminal block; I<sub>N</sub> 76 A; 16 mm<sup>2</sup>; 12 mm wide



orange

# -conductor N-disconnect terminal block; I<sub>N</sub> 125 A;



785-613

2-conductor supply terminal block for distribution boxes;  $I_N$  76 A; 16 mm<sup>2</sup>; 12 mm wide



#### Appropriate marking systems: WMB/Marking strips

# 2-conductor through terminal block; $I_N$ 125 A; 35 mm<sup>2</sup>;





green-yellow 2016-7607

#### 2-conductor ground terminal block; 35 mm²; 16 mm wide



green-yellow 785-607 15

#### Connector; for busbar; 2.5 ... 16 mm<sup>2</sup>



210-281 100 (50) blue



Connector; for busbar; 2.5 ... 35 mm<sup>2</sup> unplated 209-105 50

### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>



200 (25) 2004-171 light gray



dark gray 2004-172 200 (25)

#### Push-in type



IJ	Jumper bar; insulated; I <sub>N</sub> 32 A; light gray			
	2-way	2004-402	25	
	3-way	2004-403	25	
	4-way	2004-404	25	
	5-way	2004-405	25	
	6-way	2004-406	25	
	7-way	2004-407	25	
	8-way	2004-408	25	
	9-way	2004-409	25	
	10-way	2004-410	25	

#### 1 to 3 2004-433 25 1 to 4 2004-434 25 1 to 5 2004-435 25 1 to 6 2004-436 25 2004-437 25 1 to 7 1 to 8 2004-438 25 1 to 9 2004-439 25 1 to 10 2004-440 25 Test plug adapter; for 4 mm Ø test plug; I<sub>N</sub> 1

#### 2009-174 100 (25)

Testing tap	; for max. 2.5 i	mm²	
	gray	2009-182	100 (25)

# Marking strip: plain: 11 mm wide: 50 m reel

# 2009-110

#### WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

plain 793-5501 5

#### Operating tool; 3.5 mm and 2.5 mm blade width; for Installation Terminal Blocks TOPJOB® S 2009-309 50(1)



Operating tool; 3.5 mm and 5.5 mm blade width; for Installation Terminal Blocks TOPJOB® S

2009-310 50(1)

Operating tool; blade 3.5 x 0.5 mm; with a partially insulated shaft

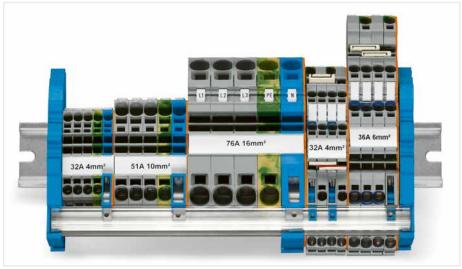


210-720

- Conductor range: 0.5 ... 6 mm² "s+f-st"; Push-in termination: 1.5 ... 6 mm² "s" and 1.5 ... 4 mm² "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 250 V / 400 V = rated voltage 4 kV / 6 kV = rated impulse voltage 3 = pollution degree 250 V / 4 kV potential – ground 400 V / 6 kV potential – potential

Please observe the application notes: Testing accessories, page 181 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



#### Application note:

N-disconnect slide links, used in installation terminal blocks, consist of switch contacts that are opened and then closed again as part of regular circuit testing. To guarantee a reliable connection, a corrosion-resistant contact area is required on the N-bushar

Historically, uninsulated copper busbars that have been cleaned/stripped of any possible corrosion before install can be used in dry, pollution-free locations

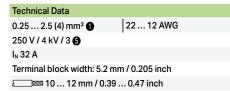
According to DIN VDE 0100-520 (VDE 0100, Part 520), installation equipment exposed to contamination or corrosive substances (e.g., water) that promote corrosion or deterioration must be protected or made of a corrosion- or wear-resistant material. In these cases, tinned copper busbars guarantee a reliable connection.

WAGO only offers tinned copper busbars.

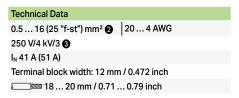


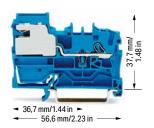
# N-Disconnect Terminal Block, Power Distribution Disconnect Terminal Block TOPJOB® S; with **Push-Button**

2202 Series; 2206 Series; 2216 Series



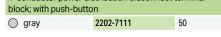
Technical Data		
0.5 6 (10) mm <sup>2</sup>	20 8 AWG	
250 V/4 kV/3 3	-	
I <sub>N</sub> 41 A (51 A)		
Terminal block width: 7.5	5 mm / 0.295 inch	
<b>□</b> ■1315 mm/0	.51 0.59 inch	

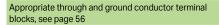




1-conductor N-disconnect terminal block; with push-but-			
ton			
Color	Item No.	Pack. Unit	
blue 2202-7114 50			

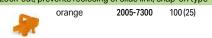
Color	Item No.	Pack. Unit			
blue	2202-7114	50			
1-conductor power distribution disconnect terminal					

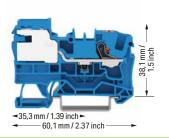




Accessories; item-specific

End and intermediate plate; 0.8 mm thick			
	orange	2002-7192	100 (25)
Lock-out; prevents reclosing of slide link; snap-on type			





1-conductor N-disconnect terminal block; with push-but- ton			
Color	Item No.	Pack. Unit	
blue	2206-7114	50	

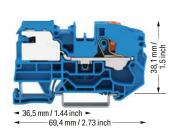
1-conductor power distribution disconnect terminal		
block; with push-button		
gray	2206-7111	50

Appropriate through and ground conductor terminal blocks, see page 46

Accessories; item-specific			
End and inte	rmediate plate	e; 1 mm thick	
	orange	2006-7192	100 (25)

Lock-out; prevents reclosing of slide link; snap-on type 2006-7300 orange

Accessories; for N-conductor and power distribution disconnect terminal blocks



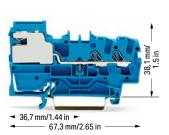
1-conductor N-disconnect terminal block; with push-biton		
Color	Item No.	Pack. Unit
blue	2216-7114	25

1-conductor power distribution disconnect terminal			
block; with push-button			
○ grav	2216-7111	25	

Appropriate through and ground conductor terminal blocks, see page 48





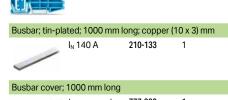


2-conductor N-disconnect terminal block; with push-but-ton			
Color	Item No.	Pack. Unit	
blue	2202-7214	50	

2-conductor power distribution disconnect terminal block; with push-button				
gray	2202-7211	50		
Accessories; item-specific				
End and intermediate plate; 0.8 mm thick				
orange	2002-7292	100 (25)		

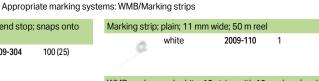
Lock-out; pr	events reclosi	ing of slide link; sr	nap-on type
Can	orange	2005-7300	100 (25)

#### Busbar carrier; not suitable as an end stop; snaps onto DIN-35 rail; 1.5 mm thick blue 2009-304 100 (25) Busbar carrier; with end stop function and detachable separator plate; snaps onto DIN-35 rail; 7.5 mm thick 2009-305 blue



	transparent	777-303	1
ctor; for	busbar; 2.5 1	6 mm <sup>2</sup>	
	blue	210-281	100 (50)
ctor; for	busbar; 2.5 3	5 mm²	
E.	silver-colored	209-105	1

Conne







#### **Technical Data**

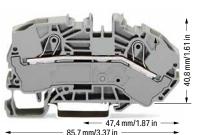
0.5 ... 16 (25 "f-st") mm<sup>2</sup> 20 ... 4 AWG

800 V / 8 kV / 3 4

76 A (90 A)

Terminal block width: 12 mm / 0.472 inch

□ 18 ... 20 mm / 0.71 ... 0.79 inch



#### 2-conductor supply terminal block for distribution boxes; with push-button

Color	Item No.	Pack. Unit
gray	2216-7601	20
blue	2216-7604	20

#### 2-conductor ground terminal block; with push-button

G GIEGITYCHOW ZZ 10-7007		green-yellow	2216-7607	20
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#### Accessories: item-specific

#### End and intermediate plate; 1 mm thick



#### Protective warning marker; with black high-voltage symbol; for 5 terminal blocks



Finger guard; touch-proof cover protects unused con-



vellow

2016-100

100 (25)

100 (25)

250 V / 4 kV / 3 3

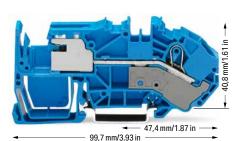
**Technical Data** 

0.5 ... 16 (25 "f-st") mm2 2 20 ... 4 AWG

74 A (76 A)

Terminal block width: 12 mm / 0.472 inch

□ 18 ... 20 mm / 0.71 ... 0.79 inch



#### 1-conductor N-disconnect terminal block; with push-button; with push-button

Color	Item No.	Pack. Unit
blue	2216-7714	20

#### 1-conductor power distribution disconnect terminal block; with push-button

$\bigcirc$ g	ırav	2216-77	11	20

#### Accessories; item-specific

#### End and intermediate plate; 1 mm thick

and be	orange	2216-7792	100 (25)
	gray	2216-7791	100 (25)

#### Lock-out; prevents reclosing of slide link; snap-on type

100 (25)



#### Busbar; tin-plated; 1000 mm long; copper (10 x 3) mm



#### Busbar cover; 1000 mm long

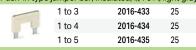


#### Accessories; 2016 Series

Appropriate marking systems: WMB/Marking strips

umper bar, msur	ateu, in 70 A, ii	grit gray
2-way	2016-402	25
3-way	2016-403	25
4-way	2016-404	25
5-way	2016-405	25
	2-way 3-way 4-way	3-way 2016-403 4-way 2016-404

#### Push-in type jumper bar; insulated; I<sub>N</sub> 76 A; light gray



#### Test plug adapter; for 4 mm $\emptyset$ test plug; $I_N$ 10 A



### Testing tap; for max. 2.5 mm<sup>2</sup>



#### Marking strip; plain; 11 mm wide; 50 m reel



#### WMB marking card; white; 10 strips with 10 markers/card; .. 5.2 mm stretchable



Conductor range: 0.5 ... 10 mm2 "s+f-st"; Push-in termination: 2.5 ... 10 mm2 "s" and 2.5 ... 6 mm2 "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

Conductor range: 0.5 ... 16 mm2 "s+f-st", 25 mm2 "f-st"; a Push-in termination: 6 ... 16 mm2 "s" and 6 ... 16 mm2 "insulated ferrules; 18 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

250 V = rated voltage 4 kV = rated impulse voltage 3 = pollution degree

800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree

Approvals and corresponding ratings, visit www.wago.com

#### N-Conductor Disconnect Terminal Blocks

For constructing and operating power installations in fireprone, hazardous locations or public buildings – such as conference centers, stores, hospitals, schools, theaters or hotels - the DIN VDE 0100-710 or DIN VDE 0100-718 standards shall be observed. DIN VDE 0100-482 shall also be observed for fire-prone, hazardous locations. These VDE regulations mandate that every neutral conductor must be provided with a disconnection device so, e.g., insulation testing is possible for every circuit without disconnecting the N-conductor.

WAGO's N-disconnect terminal blocks meet this requirement.

#### Power Distribution Disconnect Terminal Blocks

According to DIN VDE 0100-710, "Requirements for operating facilities, rooms and special installations - medical facilities," equipotential bonding conductors shall be run on a potential equalization busbar. The potential equalization busbar and the protective ground conductor busbar must be mounted in a common housing and be connected to each other using a disconnectable copper conductor of minimum 16 mm² (6 AWG). Furthermore, all equipotential bonding conductors must be connected to the potential equalization busbar and clearly arranged so they can be disconnected individually and accessed at any time. Depending on their function, they must be provided with captive marking.

WAGO's power distribution disconnect terminal blocks meet these requirements.

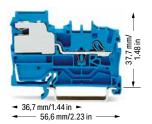
# N-Disconnect Terminal Block, Power Distribution Disconnect Terminal Block TOPJOB® S; with **Operating Slots**

2002 Series; 2006 Series; 2010 Series; 2016 Series



Technical Data		
0.5 6 (10) mm <sup>2</sup> 2	20 8 AWG	
250 V / 4 kV / 3 6		
I <sub>N</sub> 51 A		
Terminal block width: 7.5	mm / 0.295 inch	
■ 13 15 mm / 0.5	51 0.59 inch	

20 6 AWG
m / 0.394 inch
' 0.75 inch

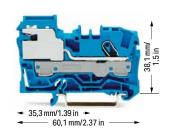


1-conductor N-disconnect terminal block			
Color	Item No.	Pack. Unit	
blue	2002-7114	50	

1-conductor power distribution disconnect terminal block			
gray	2002-7111	50	

Appropriate through and ground conductor terminal

blocks, see page 56

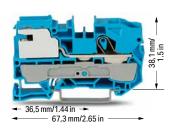


1-conductor N-disconnect terminal block			
Color Item No. Pack. U			
blue	2006-7114	50	



Appropriate through and ground conductor terminal

blocks, see page 62



1-conductor N-disconnect terminal block			
Color Item No. Pack. Unit			
blue	2010-7114	25	

1-conductor power distribution disconnect terminal

2010-7111

25

100 (25)

Appropriate through and ground conductor terminal

Accessories: item-specific End and intermediate plate; 0.8 mm thick 2002-7192 orange 100 (25)

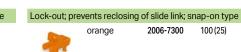






Accessories; for N-conductor and power distribution disconnect terminal blocks

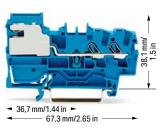




block

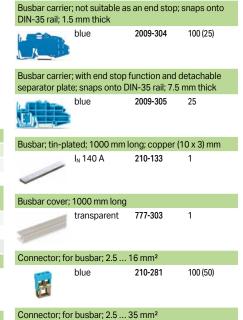
gray

blocks, see page 63



07,0 111111 2.00 111			
2-conductor N-disconnect terminal block			
Color	Item No.	Pack. Unit	
blue	2002-7214	50	
2-conductor power distribution disconnect terminal			
block			

2-conductor power distribution disconnect terminal block				
gray	200	2-7211	50	
Accessories	; item-specifi	С		
End and intermediate plate; 0.8 mm thick				
	orange	2002-7292	100 (25)	
Lock-out; prevents reclosing of slide link; snap-on type				
	orange	2005-7300	100 (25)	



unplated





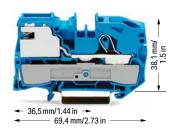
#### **Technical Data**

0.5 ... 16 (25 "f-st") mm<sup>2</sup> 3 20 ... 4 AWG 250 V / 4 kV / 3 6

I<sub>N</sub> 65 A

Terminal block width: 12 mm / 0.472 inch

□ 18 ... 20 mm / 0.71 ... 0.79 inch



1-conductor	N-disconnect	terminal block

Color	Item No.	Pack. Unit
blue	2016-7114	25

1-conductor power distribution disconnect terminal

gray	2016-7111	25

Appropriate through and ground conductor terminal blocks, see page 64

#### Accessories: item-specific

End and intermediate plate; 1 mm thick

orange



orange 2016-7192 100 (25)

2006-7300

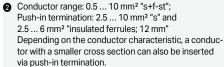
100 (25)

Lock-out; prevents reclosing of slide link; snap-on type



Push-in termination: 1... 4 mm<sup>2</sup> "s" and 1... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

Conductor range: 0.25 ... 4 mm2 "s+f-st";

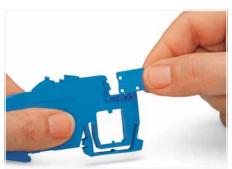


Conductor range: 0.5 ... 16 mm² "s+f-st"; Push-in termination: 4 ... 16 mm<sup>2</sup> "s" and 4 ... 10 mm<sup>2</sup> "insulated ferrules; 18 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

Conductor range: 0.5 ... 16 mm² "s+f-st", 25 mm² "f-st"; Push-in termination: 6 ... 16 mm<sup>2</sup> "s" and 6 ... 16 mm<sup>2</sup> "insulated ferrules; 18 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

250 V = rated voltage 4 kV = rated impulse voltage 3 = pollution degree

> Approvals and corresponding ratings, visit www.wago.com



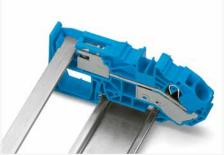
Inserting the separator plate into the busbar carrier to protect the N-busbar against accidental contact.



Removing the separator plate from the busbar carrier or from the N-disconnect terminal block.



Inserting separator plate removed from N-disconnect ter-



Touch-proof N-busbar via inserted separator plate

#### N-conductor disconnect terminal blocks:

For the construction and operation of power installations in fire-prone, hazardous locations or public buildings such as conference centers, stores, hospitals, schools, theaters or hotels - the DIN VDE 0100-710 or DIN VDE 0100-718 standards shall be observed. DIN VDE 0100-482 shall also be observed for fire-prone, hazardous locations. These VDE regulations mandate that every neutral conductor must be provided with a disconnection device so, e.g., insulation testing is possible for every circuit without disconnecting the N-conductor. WAGO's N-disconnect terminal blocks meet this require-

ment.

### Power distribution disconnect terminal blocks:

According to DIN VDE 0100-710, "Requirements for operating facilities, rooms and special installations - medical facilities," equipotential bonding conductors shall be run on a potential equalization busbar. The potential equalization busbar and the protective ground conductor busbar must be mounted in a common housing and be connected to each other using a disconnectable copper conductor of minimum 16 mm² (6 AWG). Furthermore, all equipotential bonding conductors must be connected to the potential equalization busbar and clearly arranged so they can be disconnected individually and accessed at any time. Depending on their function, they must be provided with captive marking.

WAGO's power distribution disconnect terminal blocks meet these requirements.

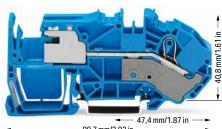


# Supply Terminal Block for Distribution Boxes, Ground Conductor Terminal Block, N-Disconnect Terminal Block, Power Distribution Disconnect Terminal Block TOPJOB® S

16 (25 "f-st") mm2; 2016 Series

#### **Technical Data** 0.5 ... 16 (25 "f-st") mm<sup>2</sup> 1 20 ... 4 AWG 800 V / 8 kV / 3 2 $I_N 76 A$ Terminal block width: 12 mm / 0.472 inch □ 18 ... 20 mm / 0.71 ... 0.79 inch

**Technical Data** 0.5 ... 16 (25 "f-st") mm<sup>2</sup> 1 20 ... 4 AWG 250 V / 4 kV / 3 3 Terminal block width: 12 mm / 0.472 inch ■ 18 ... 20 mm / 0.71 ... 0.79 inch



0	Conductor range: 0.5 16 mm² "s+f-st", 25 mm² "f-st"; Push-in termination: 6 16 mm² "s" and 6 16 mm² "insulated ferrules; 18 mm"  Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
	via pusti-in termination.

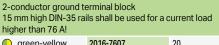
- 2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- 250 V = rated voltage 4 kV = rated impulse voltage 3 = pollution degree

Approvals and corresponding ratings, visit www.wago.com

40,8 mm/1.6 1 in
40,8 m
→ 47,4 mm/1.87 in →
◆ 85,7 mm/3.37 in →

2-conductor supply terminal block for distribution boxes			
Color	Item No.	Pack. Unit	
gray	2016-7601	20	
blue	2016-7604	20	

00101	ittiii ivo.	I don. offic
gray	2016-7601	20
blue	2016-7604	20



higher than 76 A!		
green-yellow	2016-7607	20
Accessories: item-spe	ecific	

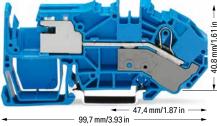
End and intermediate plate; 1 mm thick			
	orange	2016-7692	100 (25)
	gray	2016-7691	100 (25)
Protective warning marker; with black high-voltage			



2016-115

100 (25)

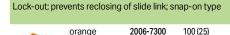




1-conductor N-disconnect terminal block			
Color	Item No.	Pack. Unit	
blue	2016-7714	20	

1-conductor power distribution disconnect terminal block
--

Accessories; item-specific		
Accessories, item-specific		
End and intermediate plate;	1 mm thick	
orange	2016-7792	100 (25)





Busbar cover;	1000 mm long		
1	transparent	777-303	1

Marking strip: plain: 11 mm wide: 50 m reel

#### Accessories; 2016 Series

symbol; for 5 terminal blocks

Appropriate marking systems: WMB/Marking strips

gray

Push-in type jumper bar; insulated; I <sub>N</sub> 76 A; light gray			
	2-way	2016-402	25
JUY	3-way	2016-403	25
H.B.	4-way	2016-404	25
	5-way	2016-405	25
Push-in type	jumper bar; insul	lated; I <sub>N</sub> 76 A; li	ght gray
	1 to 3	2016-433	25
J. V	1 to 4	2016-434	25
H.	1 to 5	2016-435	25
Test plug adapter; for 4 mm Ø test plug; I <sub>N</sub> 10 A			
1	gray	2009-174	100 (25)
Testing tap; for	or max. 2.5 mm²		
(57)	arav	2000-192	100 (25)

		,	
0	white	2009-110	1
WMB marking 5 5.2 mm str	card; white; 10 s	strips with 10 r	markers/card;
	plain	793-5501	5

#### N-conductor disconnect terminal blocks:

For the construction and operation of power installations in fire-prone, hazardous locations or public buildings such as conference centers, stores, hospitals, schools, theaters or hotels - the DIN VDE 0100-710 or DIN VDE 0100-718 standards shall be observed. DIN VDE 0100-482 shall also be observed for fire-prone, hazardous locations. These VDE regulations mandate that every neutral conductor must be provided with a disconnection device so, e.g., insulation testing is possible for every circuit without disconnecting the N-conductor. WAGO's N-disconnect terminal blocks meet this require-

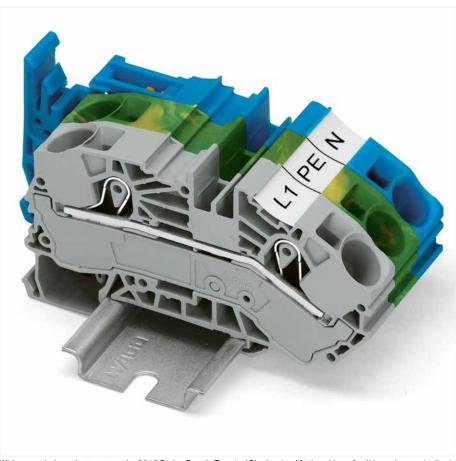
#### Power distribution disconnect terminal blocks:

According to DIN VDE 0100-710, "Requirements for operating facilities, rooms and special installations - medical facilities," equipotential bonding conductors shall be run on a potential equalization busbar. The potential equalization busbar and the protective ground conductor busbar must be mounted in a common housing and be connected to each other using a disconnectable copper conductor of minimum 16 mm² (6 AWG). Furthermore, all equipotential bonding conductors must be connected to the potential equalization busbar and clearly arranged so they can be disconnected individually and accessed at any time. Depending on their function, they must be provided with captive marking.

WAGO's power distribution disconnect terminal blocks meet these requirements.



# Supply Terminal Blocks Assembly TOPJOB® S



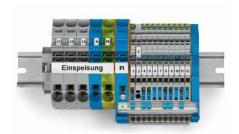
With an angled conductor entry, the 2016 Series Supply Terminal Blocks simplify the wiring of solid conductors in distribution boxes. Solid conductors of the largest cross-section can be connected easily, enabling the distribution box cover to fit without interfering with the conductors.



# TOPJOB® S Subdistribution Board Set

#### 821 Series

- Suitable for a sub-distribution board equipped with a residual current breaker (RCB); includes all required components for wiring supply terminal blocks, as well as connecting 9 AC circuits and 1 three-phase circuits
- Distribution of ground fault potentials via one 10 x 3 mm N-busbar. Separation of N-potentials for insulation resistance measurement via N-disconnect slide links within the multilevel installation terminal block







TOPJOB® S subdistribution board set; with operation	ng
slots	

Item No.	Pack. Unit
821-104	1

# $\label{top:condition} TOPJOB^{\text{0}} \ S \ subdistribution \ board \ set \ ; \ with \ operating \ slots \ and \ push-button$

Item No.	Pack. Unit
821-106	1

TOPJOB® S subdistribution board set; with push-button		
Item No. Pack. Unit		
	821-107	1

#### Contains:

- 10 x Multilevel installation terminal block; NT/L/PE; 4 mm² (2003-7641)
- 1 x Multilevel installation terminal block; L/L; 4 mm<sup>2</sup> (2003-7642)
- 1 x End and intermediate plate (2003-7692)
- 3 x 2-conductor supply terminal block for distribution boxes; gray; 16 mm² (2016-7601)
- 1 x 2-conductor supply terminal block for distribution boxes; blue; 16 mm² (2016-7604)
- 1 x 2-conductor ground terminal block; green-yellow; 16 mm² (2016-7607)
- 1 x End and intermediate plate (2016-7692)
- 1 x 1-conductor N-disconnect terminal block; blue; 16 mm² (2016-7714)
- 1 x End and intermediate plate (2016-7792)
- 1 x Screwless end stop; 10 mm wide (249-117)
- 1 x Busbar carrier; with end stop function (2009-305)
- 1 x Busbar; tin-plated; 0.2 m (210-133)
- 1 x N-busbar cover; transparent; 0.2 m (777-303)
- 1 x Marking strips; white; 0.5 m (2009-110)
- 1 x WMB marking card; 1 ... 50 (793-5566)
- 1 x WMB marking card; L1, L2, L3, N, PE (793-5472)
- 1 x Fiber-tip pen (210-110)

#### Contains

- 10 x Multilevel installation terminal block; NT/L/PE; 4 mm<sup>2</sup> (2203-7541)
- 1 x Multilevel installation terminal block; L/L; 4 mm<sup>2</sup> (2203-7542)
- 1 x End and intermediate plate (2203-7692)
- 3 x 2-conductor supply terminal block for distribution boxes; gray; 16 mm² (2016-7601)
- 1 x 2-conductor supply terminal block for distribution boxes; blue; 16 mm² (2016-7604)
- 1 x 2-conductor ground terminal block; green-yellow; 16 mm² (2016-7607)
- 1 x End and intermediate plate (2016-7692)
- 1 x 1-conductor N-disconnect terminal block; blue; 16 mm² (2016-7714)
- 1 x End and intermediate plate (2016-7792)
- 1 x Screwless end stop; 10 mm wide (249-117)
- 1 x Busbar carrier; with end stop function (2009-305)
- 1 x Busbar; tin-plated; 0.2 m (210-133)
- 1 x N-busbar, tin-plated, 0.2 m (210-133)
   1 x N-busbar cover; transparent; 0.2 m (777-303)
- 1 x Marking strips; white; 0.5 m (2009-110)
- 1 x WMB marking card; 1 ... 50 (793-5566)
- 1 x WMB marking card; L1, L2, L3, N, PE (793-5472)
- 1 x Fiber-tip pen (210-110)

- 10 x Multilevel installation terminal block; NT/L/PE; 4 mm<sup>2</sup> (2203-7641)
- 1 x Multilevel installation terminal block; L/L; 4 mm<sup>2</sup> (2203-7642)
- 1 x End and intermediate plate (2203-7692)
- 3 x 2-conductor supply terminal block for distribution boxes; gray; 16 mm² (2016-7601)
- 1 x 2-conductor supply terminal block for distribution boxes; blue; 16 mm² (2016-7604)
- 1 x 2-conductor ground terminal block; green-yellow; 16 mm² (2016-7607)
- 1 x End and intermediate plate (2016-7692)
- 1 x 1-conductor N-disconnect terminal block; blue; 16 mm² (2016-7714)
- 1 x End and intermediate plate (2016-7792)
- 1 x Screwless end stop; 10 mm wide (249-117)
- 1 x Busbar carrier; with end stop function (2009-305)
- 1 x Busbar; tin-plated; 0.2 m (210-133)
- 1 x N-busbar cover; transparent; 0.2 m (777-303)
- 1 x Marking strips; white; 0.5 m (2009-110)
- 1 x WMB marking card; 1 ... 50 (793-5566)
- 1 x WMB marking card; L1, L2, L3, N, PE (793-5472)
- 1 x Fiber-tip pen (210-110)

## **TOPJOB® S Main Subdistribution Board Set** 821 Series

- Suitable for a main distribution board with two residual current breakers (RCB); includes all required components for wiring supply terminal blocks and connecting 14 AC circuits and two three-phase circuits
- Distribution of ground fault potentials via two 10 x 3 mm N-busbars; separation of N-potentials for insulation resistance measurement via N-disconnect slide links within the multilevel installation terminal block







TOPJOB® S FI main distribution board set; with operating	g
slots	

Item No.	Pack. Unit
821-122	1

# TOPJOB® S FI main distribution board set; with operating slots and push-button

Item No.	Pack. Unit
821-108	1

$TOPJOB^{\texttt{0}}SFI$ main distribution board set; with push-button			
	Item No.	Pack. Unit	
821-109			

#### Contains:

- 16 x Multilevel installation terminal block; NT/L/PE; 4 mm² (2003-7641)
- 2 x Multilevel installation terminal block; L/L; 4 mm<sup>2</sup> (2003-7642)
- 2 x End and intermediate plate (2003-7692)
- 3 x 2-conductor supply terminal block for distribution boxes; gray; 16 mm² (2016-7601)
- 1 x 2-conductor supply terminal block for distribution boxes; blue; 16 mm² (2016-7604)
- 1 x 2-conductor ground terminal block; green-yellow; 16 mm² (2016-7607)
- 1 x End and intermediate plate (2016-7692)
- 2 x 1-conductor N-disconnect terminal block; blue; 16 mm² (2016-7714)
- 1 x End and intermediate plate (2016-7792)
- 1 x Screwless end stop; 10 mm wide (249-117)
- 2 x Busbar carrier; with end stop function (2009-305)
- 1 x Busbar; tin-plated; 0.2 m (210-133)
- 1 x N-busbar cover; transparent; 0.2 m (777-303)
- 1 x Marking strips; white; 0.5 m (2009-110)
- 1 x WMB marking card; 1 ... 50 (793-5566)
- 1 x WMB marking card; L1, L2, L3, N, PE (793-5472)
- 1 x Fiber-tip pen (210-110)

#### Contains

- 16 x Multilevel installation terminal block; NT/L/PE; 4 mm² (2203-7541)
- 2 x Multilevel installation terminal block; L/L; 4 mm<sup>2</sup> (2203-7542)
- 2 x End and intermediate plate (2203-7692)
- 3 x 2-conductor supply terminal block for distribution boxes; gray; 16 mm² (2016-7601)
- 1 x 2-conductor supply terminal block for distribution boxes; blue; 16 mm² (2016-7604)
- 1 x 2-conductor ground terminal block; green-yellow; 16 mm² (2016-7607)
- 1 x End and intermediate plate (2016-7692)
- 2 x 1-conductor N-disconnect terminal block; blue; 16 mm² (2016-7714)
- 1 x End and intermediate plate (2016-7792)
- 1 x Screwless end stop; 10 mm wide (249-117)
- 2 x Busbar carrier; with end stop function (2009-305)
- 1 x Busbar; tin-plated; 0.2 m (210-133)
- 1 x Busbar, tiri-piated, 0.2 fr (210-133)
   1 x N-busbar cover; transparent; 0.2 m (777-303)
- 1 x Marking strips; white; 0.5 m (2009-110)
- 1 x WMB marking card; 1 ... 50 (793-5566)
- 1 x WMB marking card; L1, L2, L3, N, PE (793-5472)
- 1 x Fiber-tip pen (210-110)

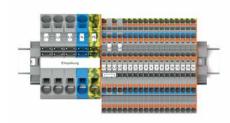
- 16 x Multilevel installation terminal block; NT/L/PE; 4 mm² (2203-7641)
- 2 x Multilevel installation terminal block; L/L; 4 mm<sup>2</sup> (2203-7642)
- 2 x End and intermediate plate (2203-7692)
- 3 x 2-conductor supply terminal block for distribution boxes; gray; 16 mm² (2016-7601)
- 1 x 2-conductor supply terminal block for distribution boxes; blue; 16 mm² (2016-7604)
- 1 x 2-conductor ground terminal block; green-yellow; 16 mm² (2016-7607)
- 1 x End and intermediate plate (2016-7692)
- 2 x 1-conductor N-disconnect terminal block; blue; 16 mm² (2016-7714)
- 1 x End and intermediate plate (2016-7792)
- 1 x Screwless end stop; 10 mm wide (249-117)
- 2 x Busbar carrier; with end stop function (2009-305)
- 1 x Busbar; tin-plated; 0.2 m (210-133)
- 1 x N-busbar cover; transparent; 0.2 m (777-303)
- 1 x Marking strips; white; 0.5 m (2009-110)
- 1 x WMB marking card; 1 ... 50 (793-5566)
- 1 x WMB marking card; L1, L2, L3, N, PE (793-5472)
- 1 x Fiber-tip pen (210-110)

# **TOPJOB® S Main Distribution Board Set** 821 Series

- Suitable for a main distribution board with separate RDC/LS switches for each circuit; includes all required components for wiring supply terminal blocks and connecting 14 AC circuits and two three-phase circuits
- Connection of L- and N-conductors for RDC/LS switches to the circuits via multilevel installation terminal blocks without disconnection possibility; separation of N-potentials for insulation resistance measurement via RCD/LS switches







TOPJOB® S FI/LS main distribution board set; wi	th
operating slots	

Item No.	Pack. Unit
821-123	1

# TOPJOB® S FI/LS main distribution board set TOPJOB® S; with operating slots and push-button

Item No.	Pack. Unit
821-110	1

TOPJOB® S FI/LS main distribution board set; with push-button		
	Item No.	Pack. Unit
	821-111	1

#### Contains:

- 16 x Multilevel installation terminal block; NT/L/PE; 4 mm² (2003-7641)
- 2 x Multilevel installation terminal block; L/L; 4 mm<sup>2</sup> (2003-7642)
- 1 x End and intermediate plate (2003-7692)
- 3 x 2-conductor supply terminal block for distribution boxes; gray; 16 mm² (2016-7601)
- 1 x 2-conductor supply terminal block for distribution boxes; blue; 16 mm² (2016-7604)
- 1 x 2-conductor ground terminal block; green-yellow; 16 mm² (2016-7607)
- 1 x End and intermediate plate (2016-7692)
- 2 x Screwless end stop; 10 mm wide (249-117)
- 1 x Marking strips; white; 0.5 m (2009-110)
- 1 x WMB marking card; 1 ... 50 (793-5566)
- 1 x WMB marking card; L1, L2, L3, N, PE (793-5472)
  1 x Fiber-tip pen (210-110)

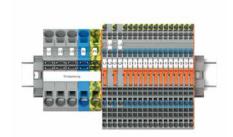
#### Contains

- 16 x Multilevel installation terminal block; NT/L/PE; 4 mm<sup>2</sup> (2203-7541)
- 2 x Multilevel installation terminal block; L/L; 4 mm<sup>2</sup> (2203-7542)
- 1 x End and intermediate plate (2203-7692)
- 3 x 2-conductor supply terminal block for distribution boxes; gray; 16 mm² (2016-7601)
- 1 x 2-conductor supply terminal block for distribution boxes; blue; 16 mm² (2016-7604)
- 1 x 2-conductor ground terminal block; green-yellow; 16 mm² (2016-7607)
- 1 x End and intermediate plate (2016-7692)
- 2 x Screwless end stop; 10 mm wide (249-117)
- 1 x Marking strips; white; 0.5 m (2009-110)
- 1 x WMB marking card; 1 ... 50 (793-5566)
- 1 x WMB marking card; L1, L2, L3, N, PE (793-5472)
- 1 x Fiber-tip pen (210-110)

- 16 x Multilevel installation terminal block; NT/L/PE; 4 mm² (2203-7641)
- 2 x Multilevel installation terminal block; L/L; 4 mm<sup>2</sup> (2203-7642)
- 1 x End and intermediate plate (2203-7692)
- 3 x 2-conductor supply terminal block for distribution boxes; gray; 16 mm² (2016-7601)
- 1 x 2-conductor supply terminal block for distribution boxes; blue; 16 mm² (2016-7604)
- 1 x 2-conductor ground terminal block; green-yellow; 16 mm² (2016-7607)
- 1 x End and intermediate plate (2016-7692)
- 2 x Screwless end stop; 10 mm wide (249-117)
- 1 x Marking strips; white; 0.5 m (2009-110)
- 1 x WMB marking card; 1 ... 50 (793-5566)
- 1 x WMB marking card; L1, L2, L3, N, PE (793-5472)
- 1 x Fiber-tip pen (210-110)

### TOPJOB® S Main Distribution Board Set 821 Series

- · Suitable for a main distribution board with several RCD switches and small circuit groups; includes all required components for wiring supply terminal blocks and connecting 14 AC circuits and two three-phase circuits
- The ground fault potentials are supplied for each individual terminal block. The ground fault potentials of adjacent terminal blocks can be commoned using optional jumpers to create small circuit groups. N-potentials can be disconnected for insulation resistance measurement via knife disconnects within the multilevel installation terminal block







TOPJOB® S main distribution board set; with operating	ng
slots	

Item No.	Pack. Unit
821-129	1

TOPJOB® S main distribution board set; with operating slots and push-button

Item No.	Pack. Unit
821-112	1

TOPJOB® S main distribution board set; with push-button			
	Item No.	Pack. Unit	
821-113			

- 16 x Multilevel installation terminal block; NT/L/PE; 4 mm<sup>2</sup> (2003-6641)
- · 2 x Multilevel installation terminal block; L/L; 4 mm<sup>2</sup> (2003-6642)
- 1 x End and intermediate plate (2003-6692)
- 3 x 2-conductor supply terminal block for distribution boxes; gray; 16 mm<sup>2</sup> (2016-7601)
- 1 x 2-conductor supply terminal block for distribution boxes; blue; 16 mm<sup>2</sup> (2016-7604)
- · 1 x 2-conductor ground terminal block; green-yellow; 16 mm<sup>2</sup> (2016-7607)
- 1 x End and intermediate plate (2016-7692)
- 2 x Screwless end stop; 10 mm wide (249-117)
- 15 x Push-in type jumper bar; 2-way (2002-402)
- 2 x Test plug adapter N/L; gray (2003-499) • 2 x Test plug adapter N; gray (2003-500)
- · 2 x Test plug adapter; for 4 mm Ø test plugs (2009-174)
- 1 x Marking strips; white; 0.5 m (2009-110)
- 1 x WMB marking card; 1 ... 50 (793-5566)
- 1 x WMB marking card; L1, L2, L3, N, PE (793-5472)
- 1 x Fiber-tip pen (210-110)

- 16 x Multilevel installation terminal block; NT/L/PE; 4 mm² (2203-6541)
- 2 x Multilevel installation terminal block; L/L; 4 mm² (2203-6542)
- 1 x End and intermediate plate (2203-6692)
- 3 x 2-conductor supply terminal block for distribution boxes; gray; 16 mm<sup>2</sup> (2016-7601)
- 1 x 2-conductor supply terminal block for distribution boxes; blue; 16 mm<sup>2</sup> (2016-7604)
- · 1 x 2-conductor ground terminal block; green-yellow; 16 mm<sup>2</sup> (2016-7607)
- 1 x End and intermediate plate (2016-7692)
- 2 x Screwless end stop; 10 mm wide (249-117)
- 15 x Push-in type jumper bar; 2-way (2002-402)
- 2 x Test plug adapter N/L; gray (2003-499)
- 2 x Test plug adapter N; gray (2003-500)
- 2 x Test plug adapter; for 4 mm Ø test plugs
- 1 x Marking strips; white; 0.5 m (2009-110)
- 1 x WMB marking card; 1 ... 50 (793-5566)
- 1 x WMB marking card; L1, L2, L3, N, PE (793-5472)
- 1 x Fiber-tip pen (210-110)

- 16 x Multilevel installation terminal block; NT/L/PE; 4 mm² (2203-6641)
- · 2 x Multilevel installation terminal block; L/L; 4 mm<sup>2</sup> (2203-6642)
- 1 x End and intermediate plate (2203-6692)
- · 3 x 2-conductor supply terminal block for distribution boxes; gray; 16 mm<sup>2</sup> (2016-7601)
- 1 x 2-conductor supply terminal block for distribution boxes; blue; 16 mm2 (2016-7604)
- 1 x 2-conductor ground terminal block; green-yellow; 16 mm<sup>2</sup> (2016-7607)
- 1 x End and intermediate plate (2016-7692)
- 2 x Screwless end stop; 10 mm wide (249-117)
- 15 x Push-in type jumper bar; 2-way (2002-402)
- 2 x Test plug adapter N/L; gray (2003-499)
- 2 x Test plug adapter N; gray (2003-500)
- · 2 x Test plug adapter; for 4 mm Ø test plugs
- 1 x Marking strips; white; 0.5 m (2009-110)
- 1 x WMB marking card; 1 ... 50 (793-5566)
- 1 x WMB marking card; L1, L2, L3, N, PE (793-5472)
- 1 x Fiber-tip pen (210-110)

# TOPJOB® S INSTA-BOX

#### 821 Series

Multilevel installation terminal blocks with complete accessories for three standard distributions in single-family and multi-family buildings

- In the practical L-BOXX matching the vehicle equipment system
- Mobile storage for your construction site!



TOPJOB® S INSTA-BOX; L-BOXX® 102; with operating slots; for Distribution Boards in Buildings

Bestellnr.	VPE
821-160	1



TOPJOB® S INSTA-BOX; L-BOXX® 102; with operating slots and push-button; for Distribution Boards in

J	Bestellnr.	VPE
	821-161	1



TOPJOB® S INSTA-BOX; L-BOXX® 102; with push-button; for Distribution Boards in Buildings

Bestellnr.	VPE
821-162	1

#### Contains:

- 50 x Multilevel installation terminal block; NT/L/PE; 2.5 mm<sup>2</sup> (2003-7641)
- 10 x Multilevel installation terminal block; L/L; 2.5 mm²
- 10 x End and intermediate plate (2003-7692)
- 5 x Multilevel installation terminal block; NT/L/PE; 4 mm<sup>2</sup> (2005-7641)
- 5 x Multilevel installation terminal block; L/L; 4 mm<sup>2</sup>
- 5 x End and intermediate plate (2003-7692)
- 9 x 2-conductor supply terminal block for distribution boxes; gray; 16 mm<sup>2</sup> (2016-7601)
- 3 x 2-conductor supply terminal block for distribution boxes; blue; 16 mm2 (2016-7604)
- 3 x 2-conductor ground terminal block; green-yellow; 16 mm<sup>2</sup> (2016-7607)
- 10 x End and intermediate plate (2016-7692)
- 6 x 1-conductor N-disconnect terminal block; blue; 16 mm<sup>2</sup> (2016-7714)
- 5 x End and intermediate plate (2016-7792)
- 5 x Screwless end stop; 10 mm wide (249-117)
- 6 x Busbar carrier; with end stop function (2009-305)
- 5 x Busbar carrier; not suitable for use as end stop (2009 - 304)
- 4 x Busbar; tin-plated; 0.25 m (210-133)
- 4 x N-busbar cover; transparent; 0.25 m (777-303)
- 10 x Staggered jumper; 3-way (2002-473)
- 10 x Staggered jumper; 5-way (2002-475)
- 10 x Staggered jumper; 7-way (2002-477)
- 10 x Push-in type jumper bar; 2-way (2002-402)
- 5 x Push-in type jumper bar; 2-way (2016-402)
- 2 x Test plug; 2 mm Ø (210-136)
- 2 x Testing tap; for max. 2.5 mm<sup>2</sup> (2009-182)
- 5 x Lock-out; prevents reclosing of slide link; for 2003 Series (2003-7300)
- 5 x Lock-out; prevents reclosing of slide link; for 2002 and 2005 Series (2005-7300)
- 5 x Lock-out; prevents reclosing of slide link; for 2006 and 2016 Series (2006-7300)
- 4 x Marking strips; white; 0.25 m (2009-110) • 2 x WMB marking card; plain (793-5501)
- 2 x WMB marking card; 1 ... 50 (793-5566)
- 1 x WMB marking card; L1, L2, L3, N, PE (793-5472)
- 1 x Operating tool (2009-310)
- 1 x Fiber-tip pen (210-110)

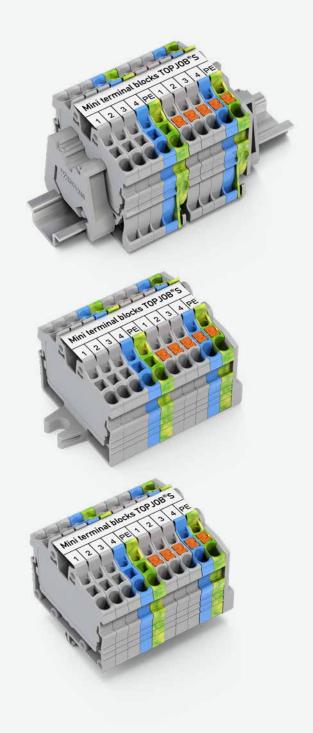
#### Contains:

- 50 x Multilevel installation terminal block; NT/L/PE; 2.5 mm<sup>2</sup> (2203-7541)
- 10 x Multilevel installation terminal block; L/L; 2.5 mm<sup>2</sup>
- 10 x End and intermediate plate (2203-7692)
- 5 x Multilevel installation terminal block; NT/L/PE; 4 mm<sup>2</sup> (2205-7541)
- 5 x Multilevel installation terminal block; L/L; 4 mm<sup>2</sup>
- 5 x End and intermediate plate (2205-7692)
- 9 x 2-conductor supply terminal block for distribution boxes; gray; 16 mm<sup>2</sup> (2016-7601)
- 3 x 2-conductor supply terminal block for distribution boxes; blue; 16 mm2 (2016-7604)
- 3 x 2-conductor ground terminal block; green-yellow; 16 mm<sup>2</sup> (2016-7607)
- 10 x End and intermediate plate (2016-7692)
- 6 x 1-conductor N-disconnect terminal block; blue; 16 mm<sup>2</sup> (2016-7714)
- 5 x End and intermediate plate (2016-7792)
- 5 x Screwless end stop; 10 mm wide (249-117)
- 6 x Busbar carrier; with end stop function (2009-305)
- 5 x Busbar carrier; not suitable for use as end stop (2009 - 304)
- 4 x Busbar; tin-plated; 0.25 m (210-133)
- 4 x N-busbar cover; transparent; 0.25 m (777-303)
- 10 x Staggered jumper; 3-way (2002-473)
- 10 x Staggered jumper; 5-way (2002-475)
- 10 x Staggered jumper; 7-way (2002-477)
- 10 x Push-in type jumper bar; 2-way (2002-402)
- 5 x Push-in type jumper bar; 2-way (2016-402)
- 2 x Test plug; 2 mm Ø (210-136)
- 2 x Testing tap; for max. 2.5 mm² (2009-182)
- 5 x Lock-out; prevents reclosing of slide link; for 2003 Series (2003-7300)
- 5 x Lock-out; prevents reclosing of slide link; for 2002 and 2005 Series (2005-7300)
- 5 x Lock-out; prevents reclosing of slide link; for 2006 and 2016 Series (2006-7300)
- 4 x Marking strips; white; 0.25 m (2009-110)
- 2 x WMB marking card; plain (793-5566)
- 2 x WMB marking card; 1 ... 50 (793-5501)
- 1 x WMB marking card; L1, L2, L3, N, PE (793-5472)
- 1 x Operating tool (2009-310)
- 1 x Fiber-tip pen (210-110)

- 50 x Multilevel installation terminal block; NT/L/PE; 2.5 mm<sup>2</sup> (2203-7641)
- 10 x Multilevel installation terminal block; L/L; 2.5 mm<sup>2</sup>
- 10 x End and intermediate plate (2203-7692)
- 5 x Multilevel installation terminal block; NT/L/PE; 4 mm<sup>2</sup> (2205-7641)
- 5 x Multilevel installation terminal block; L/L; 4 mm<sup>2</sup>
- 5 x End and intermediate plate (2205-7692)
- 9 x 2-conductor supply terminal block for distribution boxes; gray; 16 mm<sup>2</sup> (2016-7601)
- 3 x 2-conductor supply terminal block for distribution boxes; blue; 16 mm2 (2016-7604)
- 3 x 2-conductor ground terminal block; green-yellow; 16 mm² (2016-7607)
- 10 x End and intermediate plate (2016-7692)
- 6 x 1-conductor N-disconnect terminal block; blue; 16 mm<sup>2</sup> (2016-7714)
- 5 x End and intermediate plate (2016-7792)
- 5 x Screwless end stop; 10 mm wide (249-117)
- 6 x Busbar carrier; with end stop function (2009-305)
- 5 x Busbar carrier; not suitable for use as end stop (2009-304)
- 4 x Busbar; tin-plated; 0.25 m (210-133)
- 4 x N-busbar cover; transparent; 0.25 m (777-303)
- 10 x Staggered jumper; 3-way (2002-473)
- 10 x Staggered jumper; 5-way (2002-475)
- 10 x Staggered jumper; 7-way (2002-477)
- 10 x Push-in type jumper bar; 2-way (2002-402)
- 5 x Push-in type jumper bar; 2-way (2016-402)
- 2 x Test plug; 2 mm Ø (210-136)
- 2 x Testing tap; for max. 2.5 mm<sup>2</sup> (2009-182)
- 5 x Lock-out; prevents reclosing of slide link; for 2003 Series (2003-7300)
- 5 x Lock-out; prevents reclosing of slide link; for 2002 and 2005 Series (2005-7300)
- 5 x Lock-out; prevents reclosing of slide link; for 2006 and 2016 Series (2006-7300)
- 4 x Marking strips; white; 0.25 m (2009-110)
- 2 x WMB marking card; plain (793-5566)
- 2 x WMB marking card; 1 ... 50 (793-5501)
- 1 x WMB marking card; L1, L2, L3, N, PE (793-5472) 1 x Operating tool (2009-310)
- 1 x Fiber-tip pen (210-110)







# WAGO Mini Rail-Mount Terminal Blocks TOPJOB® S

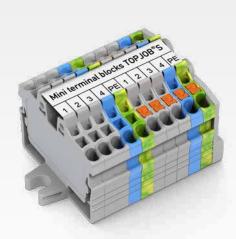
# WAGO Mini Rail-Mount Terminal Blocks TOPJOB® S

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# **TOPJOB® S Mini Terminal Blocks**





# **Mounting Versions**



#### On DIN-15 rail

- With operating slot or push-button
- Ground (direct) contact

#### On mounting plate via snap-in foot

- With operating slot or push-button
- Mounting plate width: min. 0.6 mm / max. 1.2 mm

#### On mounting plate via flange

- With operating slot or push-button
- Mounting via M4 screw

### **Actuation Versions**



#### Benefits:

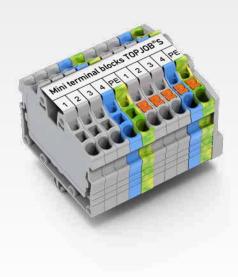
#### Push-button

- Use any standard hand tool.
- The orange color highlights the actuator, giving users a clear overview at a glance.
- The push-button has become synonymous with convenience, making it the industry's go-to solution for in-the-field wiring.

#### Operating slot

- The tool stays in the operating slot both hands are free for wiring.
- After insertion, the operating tool marks the clamping point and keeps it open.





### Accessories



The WAGO Mini Terminal Block is the smallest version in the TOPJOB® S portfolio. And because they're part of the family, all of the industry-trusted TOPJOB® S accessories are also compatible with the Mini Terminal Blocks:

- Range of jumpers: The standard TOPJOB® S Jumpers can be used. For example, use the pre-assembled jumpers for a star connection (Item No. 2000-405/011-000) or a delta connection (Item No. 2000-406/020-000).
- Marking strip: WAGO's continuous marking strip enables timeand cost-saving marking – up to three lines at once.



# Miniature Rail-Mount Terminal Blocks TOPJOB® S; with/without push-buttons and with Push-in CAGE CLAMP® 2250 and 2050 Series

# **Description and Installation**



Insert ferruled conductors via push-in termination.



Insert fine-stranded conductors via operating tool.



Remove all conductors via operating tool.



Insert a jumper (star point jumper) and push down until it hits the backstop.



Insert a jumper (delta jumper) and push down until it hits the backstop. \\





Marking strip (Item No. 2009-110) inserted in the marking slot with jumper symbols of the inserted jumper  $\,$ 



Snapping a marking strip (Item No. 2009-110) into a marker slot.



Snapping a WMB marking strip into a marker slot.



Push-in CAGE CLAMP® terminates the following copper conductors: solid "s"



stranded "st"



fine-stranded "f-st", also with tinned single strands



Insert ferruled conductors via push-in termination.



Insert fine-stranded conductors via operating tool.



Remove all conductors via operating tool.



Mounting a terminal strip with snap-in feet into holes.



Terminal strip; with snap-in mounting feet Snapping a mounting foot (Item No. 209-120) (Distance between mounting feet: approx. 20 ... 25 mm)



Terminal strip; with snap-in mounting feet; for DIN-35 rail (209-120 Mounting Foot)



Mounting and securing a terminal strip directly to the plate Terminal strip; with mounting flanges; screw mounting via screw-type flanges





Testing with a 2 mm Ø 210-136 Test Plug (max. 42 V).



fine-stranded, tip-bonded



fine-stranded, with ferrule (gastight crimped)



fine-stranded, with pin terminal (gastight crimped)



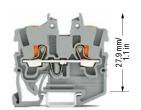
### Miniature Through Terminal Block and Ground Conductor Terminal Block TOPJOB® S; with Push-Button; for DIN-15 Rail

1 (1.5) mm<sup>2</sup>; 2250 Series

### **Technical Data** 0.14 ... 1 (1.5) mm<sup>2</sup> 500 V / 6 kV / 3 2 I<sub>N</sub> 13.5 A (17.5 A)

24 ... 16 AWG 300 V, 10 A 94 300 V, 10 A@ Terminal block width: 3.5 mm / 0.138 inch

□ 9 ... 11 mm / 0.35 ... 0.43 inch



2-conductor miniature through terminal block; with	
push-button; for DIN-15 rail	

34.1 mm/1.34 in

Color	Item No.	Pack. Unit
gray	2250-1201 4	100
■ blue ⑤	2250-1204 3 4	100
orange 😉	2250-1202 4	100
ered 😉	2250-1203 4	100
■ black ⑤	2250-1205 4	100
yellow 😉	2250-1206 4	100
brown 🗟	2250-1201/000-014 4	100

2-conductor miniature ground terminal block; with push-button; for DIN-15 rail

ogreen-yellow 2250-1207 4

#### Accessories; 2250 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

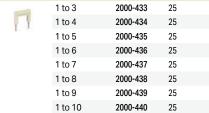
#### End and intermediate plate; 1.1 mm thick

2050-1291 100 (25) gray

#### Push-in type jumper bar; insulated; I<sub>N</sub> 14 A; light gray

Contract of the last of the la	2-way	2000-402	25	
111	3-way	2000-403	25	
1000	4-way	2000-404	25	
	5-way	2000-405	25	
	6-way	2000-406	25	
	7-way	2000-407	25	
	8-way	2000-408	25	
	9-way	2000-409	25	
	10-way	2000-410	25	

#### Push-in type jumper bar; insulated; I<sub>N</sub> 14 A; light gray



Delta jumper; insulated; I<sub>N</sub> = 1-2 3-4 5-6 2000-406/020-000

Star point jumper; insulated;  $I_N = I_N$  terminal block; light

2000-405/011-000 1-3-5

Conductor range: 0.14 ... 1.5 mm2 "s+f-st"; Push-in termination: 0.5 ... 1.5 mm<sup>2</sup> "s" and 0.5 ... 1 mm2 "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 2 500 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II 352 V; 13.5 A 12 A jumper

Please observe the application notes: Jumpers, from page 182 Testing accessories, from page 176 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2250 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Push-in type wire jumper; insulated; 0.75 mm<sup>2</sup> conductor cross-section; I<sub>N</sub> 9 A

L = 60  mm	2009-402	100 (10)
L = 110 mm	2009-404	100 (10)
L = 250 mm	2009-406	100 (10)

Modular connector; snaps together; for jumper contact

Terminal block width: 5 mm / 0.197 inch Only for test purposes gray



Modular connector; snaps together; for jumper contact

Only for test purposes gray



2000-510

2000-511

100 (25)

100 (25)

#### Spacer module; snaps together; bridges commoned terminal blocks



#### Test plug; with 500 mm cable; 2 mm Ø; max. 42 V red 210-136



#### WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel

2009-113 white

#### WMB Marker Card: white; 10 strips with 10 markers/card; for 3.5 mm terminal block width

793-3501 plain

#### Accessories; 2250 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Screwless end stop; for DIN-15 rail; 6 mm wide



Steel DIN-rail; per EN 60715; 15 x 5.5 mm; 1 mm thick;

slotted	210-111	10 (1)
unslotted	210-295	10 (1)

249-101

25



100 (25)

50

### Miniature Through Terminal Block and Ground Conductor Terminal Block TOPJOB® S; with Push-Button: for DIN-15 Rail

2.5 (4) mm<sup>2</sup>; 2252 Series

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 800 V/8 kV/3 2 I<sub>N</sub> 24 A (32 A) Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch



36.5 mm/1.44 in

#### 2-conductor miniature through terminal block; with push-button; for DIN-15 rail

Color	Item No.	Pack. Unit
○ gray ⓑ	2252-1201 4	100
oblue 🗟	2252-1204 3 4	100
orange 🛭	2252-1202 4	100
ered 😡	2252-1203 4	100
● black ®	2252-1205 4	100
o yellow 🛭	2252-1206 4	100
brown 🗟	2252-1201/000-014	100

#### 2-conductor miniature ground terminal block; with push-button; for DIN-15 rail

green-yellow (a) 2252-1207 (4)

100

200 (25)

200 (25)

#### Accessories; 2252 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### End and intermediate plate: 1.1 mm thick



2052-1291 100 (25) gray

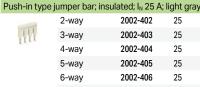
#### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup> 2002-171 light gray

dark gray



Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>

### 00000



2002-402 25 2002-403 25 3-way 2002-404 25 4-way 5-way 2002-405 25 2002-406 6-way 25 7-way 2002-407 25 8-way 2002-408 25 25 2002-409 9-way 2002-410 25 10-way

2002-172

terminal block; light gray Delta jumper; insulated;  $I_N = I_N$ 1-23-45-6 2002-406/020-000



Star point jumper; insulated;  $I_N = I_N$  terminal block; light



2002-405/011-000 1-3-5

Conductor range: 0.25 ... 4 mm2 "s+f-st" Push-in termination: 1... 4 mm<sup>2</sup> "s" and 1... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm"

Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

- 2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II 550 V; 22 A 20 A jumper

Please observe the application notes: Jumpers, from page 182 Testing accessories, from page 177 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories: 2252 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray



2002-433 1 to 3 25 1 to 4 2002-434 25 2002-435 25 1 to 5 2002-436 25 1 to 6 1 to 7 2002-437 25 1 to 8 2002-438 25 1 to 9 2002-439 25 1 to 10 2002-440 25

#### Staggered jumper: insulated: IN 25 A: light gray



2002-472 25 2-way 2002-473 25 3-way 4-way 2002-474 25 25 2002-475 5-way 2002-476 25 6-way 25 7-way 2002-477 2002-478 25 8-way 9-way 2002-479 25 2002-480 25 10-way 2002-481 11-way 25 12-way 2002-482

#### Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing; I<sub>N</sub> 25 A; light gray



1-3 2002-473/011-000 25 2002-475/011-000 25 1-3-5 1-3-5-7 2002-477/011-000 25 1-3-5-7-9 2002-479/011-000 25 1-3-5-7-9-11 2002-481/011-000 25

#### Continuous jumper; insulated; I<sub>N</sub> 25 A; 1-2

-	light gray	<b>2002-400</b> 25	
1	red	2002-400/000-005	25
Ja	blue	2002-400/000-006	25
ntinuous	iumper: insulate	ed: I <sub>N</sub> 25 A: 1 to 3	

### Cor

red

1	light gray	2002-423	25	
	red	2002-400/000	0-005	25
	blue	2002-400/000	0-006	25
ontinuous j	umper; insulate	ed; I <sub>N</sub> 25 A; 1 to	4	
-	light gray	2002-424	25	

#### 2002-424/000-006 blue I<sub>N</sub> 25 A, light gray Continuous i umper; insulated;



3-way 2002-413 25 5-way 2002-415 25

2002-424/000-005

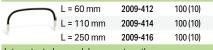
25

25

#### Accessories; 2252 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

### Push-in type wire jumper; insulated; 1.5 mm² conductor



2002-611

#### L-type test plug module; snaps together

gray



L-type spacer module; snaps together; bridges commoned terminal blocks



#### Test plug; with 500 mm cable; 2 mm Ø; max. 42 V



red 210-136

### Test plug adapter; for 4 mm Ø test plug; I<sub>N</sub> 10 A



#### Testing tap; for max. 2.5 mm<sup>2</sup>



2009-182 100 (25) gray

#### Marking strip; plain; 11 mm wide; 50 m reel white 2009-110



WMB Inline: plain: 1.500 WMB markers (5 mm)/reel: stretchable 5 ... 5.2 mm



2009-115 white

#### WMB marker card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm



793-5501 5

### Screwless end stop; for DIN-15 rail; 6 mm wide



249-101 25

#### Steel DIN-rail; per EN 60715; 15 x 5.5 mm; 1 mm thick; 2 m long



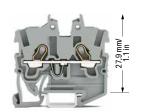
slotted 210-111 10 (1) unslotted 210-295 10 (1)



# Miniature Through Terminal Block and Ground Conductor Terminal Block TOPJOB® S; for DIN-

#### 1 (1.5) mm<sup>2</sup>; 2050 Series

Technical Data			
0.14 1 (1.5) mm <sup>2</sup>	24 16 AWG		
500 V / 6 kV / 3 2	300 V, 10 A 🗫		
I <sub>N</sub> 13.5 A (17.5 A)	300 V, 10 A®		
Terminal block width: 3.5 mm / 0.138 inch			
■ 9 11 mm / 0.35	0.43 inch		



34.1 mm/1.34 in

2-conductor miniature through terminal block; for DIN-15 rail			
Color	Item No.	Pack. Unit	
○ gray ⓑ	2050-1201 4	100	
oblue 🗟	2050-1204 3 4	100	
orange 🗟	2050-1202 4	100	
red    red    □	2050-1203 4	100	
● black ®	2050-1205 4	100	
o yellow 🛭	2050-1206 4	100	

2-conductor miniature ground terminal block; for DIN-15

2050-1201/000-014 4 100

green-yellow @ 2050-1207

#### Accessories; 2050 Series

brown 😉

Appropriate marking systems: WMB/WMB Inline/Marking strips

End and intermediate plate; 1.1 mm thick

2050-1291 100 (25) gray



1 to 6

1 to 7

1 to 8

Push-in type j	umper bar; insul	ated; I <sub>N</sub> 14 A; Ii	ght gray
CONTRACTOR OF THE PARTY OF THE	2-way	2000-402	25
W	3-way	2000-403	25
1,100	4-way	2000-404	25
	5-way	2000-405	25
	6-way	2000-406	25
	7-way	2000-407	25
	8-way	2000-408	25
	9-way	2000-409	25
	10-way	2000-410	25
Push-in type jumper bar; insulated; I <sub>N</sub> 14 A; light gray			
PER STATE OF THE PER ST	1 to 3	2000-433	25
1	1 to 4	2000-434	25
	1 to 5	2000-435	25

1 to 9 2000-439 25 2000-440 25 1 to 10 terminal block; light gray 1-2 3-4 5-6 2000-406/020-000

Star point jumper; insulated;  $I_N = I_N$  terminal block; light



1-3-5 2000-405/011-000

2000-436

2000-437

2000-438

25

25

25

Conductor range: 0.14 ... 1.5 mm<sup>2</sup> "s+f-st"; Push-in termination: 0.5 ... 1.5 mm<sup>2</sup> "s" and 0.5 ... 1 mm2 "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

2 500 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree

Terminal blocks with a blue insulated housing are suitable for Ex i applications.

Terminal blocks with an Ex mark are suitable for Ex e II 352 V; 13.5 A 12 A jumper

Please observe the application notes: Jumpers, from page 182 Testing accessories, from page 176 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2050 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Push-in type wire jumper; insulated; 0.75 mm<sup>2</sup> conductor cross-section; I<sub>N</sub> 9 A

L = 60 mm	2009-402	100 (10)
L = 110 mm	2009-404	100 (10)
L = 250 mm	2009-406	100 (10)

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks yellow

2000-115

Modular connector; snaps together; for jumper contact slot

Terminal block width: 5 mm / 0.197 inch Only for test purposes gray

2000-511

100 (25)

100 (25)

Modular connector; snaps together; for jumper contact slot Only for test purposes

2000-510 100 (25) gray

2000-549

Spacer module; snaps together; bridges commoned terminal blocks

gray



Test plug; with 500 mm cable; 2 mm Ø; max. 42 V 210-136

Marking strip; plain; 11 mm wide; 50 m reel white

WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel 2009-113

WMB Marker Card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width

plain 793-3501

#### Accessories; 2050 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips



Steel DIN-rail; per EN 60715; 15 x 5.5 mm; 1 mm thick; 2 m long

slotted 210-111 10 (1) unslotted 210-295 10 (1)

249-101



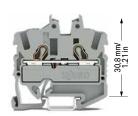
P

100 (25)

# Miniature Through Terminal Block and Ground Conductor Terminal Block TOPJOB® S; for DIN-

#### 2.5 (4) mm<sup>2</sup>; 2052 Series

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 800 V/8 kV/3 2 I<sub>N</sub> 24 A (32 A) Terminal block width: 5.2 mm / 0.205 inch E 10 ... 12 mm / 0.39 ... 0.47 inch



36.5 mm/1.44 in

2-conductor miniature through terminal block; for DIN-15 rail			
Color	Item No.	Pack. Unit	
○ gray ⓑ	2052-1201 4	100	
oblue 🗟	2052-1204 3 4	100	
orange 🛭	2052-1202 4	100	
ered 😡	2052-1203 4	100	
● black ⓑ	2052-1205 4	100	
vellow ©	2052-1206	100	

2-conductor miniature ground terminal block; for DIN-15
rail

green-yell	ow 🖾

brown 😉

2052-1207

2052-1201/000-014 4 100

100

#### Accessories; 2052 Series

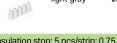
Appropriate marking systems: WMB/WMB Inline/Marking strips

#### End and intermediate plate; 1.1 mm thick



2052-1291 100 (25) gray

#### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup> light gray 2002-171 200 (25)





#### Protective warning marker; with black high-voltage symbol; for 5 terminal blocks



yellow 2002-115 100 (25)

Push-in type jumper bar; insulated; I <sub>N</sub> 25 A; light gray			
	2-way	2002-402	25
1777	3-way	2002-403	25
1,63	4-way	2002-404	25
	5-way	2002-405	25
	6-way	2002-406	25
	7-way	2002-407	25
	8-way	2002-408	25
	9-way	2002-409	25
	10-way	2002-410	25

Conductor range: 0.25 ... 4 mm2 "s+f-st" Push-in termination: 1... 4 mm<sup>2</sup> "s" and 1... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

- 2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II 550 V; 22 A 20 A jumper

Please observe the application notes: Jumpers, from page 182 Testing accessories, from page 177 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

1-2 3-4 5-6

#### Accessories; 2052 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Delta jumper; insulated; $I_N = I_N$ terminal block; light gray



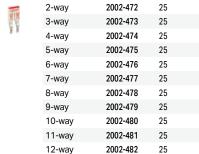
Star point jumper; insulated; I<sub>N</sub> = I<sub>N</sub> terminal block; light



2002-405/011-000 1-3-5

2002-406/020-000

### Staggered jumper; insulated; $I_N$ 25 A; light gray



Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing; IN 25 A; light gray



1-3	2002-473/011-000	25
1-3-5	2002-475/011-000	25
1-3-5-7	2002-477/011-000	25
1-3-5-7-9	2002-479/011-000	25
1-3-5-7-9-11	2002-481/011-000	25

#### Continuous iumper: insulated: I<sub>N</sub> 25 A: 1-2

Continuous jumper, insulateu, i <sub>N</sub> 25 A, 1-2			
-	light gray	2002-400 25	
J	red	2002-400/000-005	25
114	blue	2002-400/000-006	25
Continuous j	umper; insulated	d; I <sub>N</sub> 25 A; 1 to 3	
	light gray	2002-423 25	
	red	2002-400/000-005	25
-	blue	2002-400/000-006	25
Continuous j	umper; insulated	d; I <sub>N</sub> 25 A; 1 to 4	
	light gray	2002-424 25	
	red	2002-424/000-005	25
	blue	2002-424/000-006	25
Continuous jumper; insulated; I <sub>N</sub> 25 A, light gray			
100	3-way	2002-413 25	
U	5-way	2002-415 25	

#### Accessories; 2052 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Push-in type wire jumper; insulated; 1.5 mm² conductor cross-section; I<sub>N</sub> 18 A

	L = 60 mm	2009-412	100 (10)
	L = 110 mm	2009-414	100 (10)
4	L = 250 mm	2009-416	100 (10)
I -type test plug module: spans together			

#### 2002-611 gray



#### L-type spacer module; snaps together; bridges commoned terminal blocks

ndb.	gray	2002-649	100 (25)
Pres.			

#### Test plug; with 500 mm cable; 2 mm Ø; max. 42 V



### Test plug adapter; for 4 mm Ø test plug; $I_N$ 10 A

	gray	2009-174	100 (25)
1			

#### Testing tap; for max. 2.5 mm<sup>2</sup>



#### Marking strip; plain; 11 mm wide; 50 m reel



#### WMB Inline: plain: 1.500 WMB markers (5 mm)/reel: stretchable 5 ... 5.2 mm



#### WMB marker card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm



#### Screwless end stop; for DIN-15 rail; 6 mm wide



#### Steel DIN-rail; per EN 60715; 15 x 5.5 mm; 1 mm thick; 2 m long

10.	slotted	210-111	10 (1)	
	unslotted	210-295	10 (1)	



### Miniature Through Terminal Block TOPJOB® S; with Push-Button; with Mounting Flange 1 (1.5) mm<sup>2</sup>; 2250 Series

#### **Technical Data**

0.14 ... 1 (1.5) mm<sup>2</sup> 500 V / 6 kV / 3 2 I<sub>N</sub> 13.5 A (17.5 A)

24 ... 16 AWG 300 V. 10 A 50 300 V, 10 A@

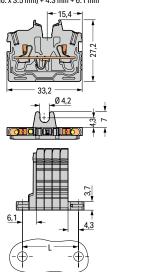
Terminal block width: 3.5 mm / 0.138 inch

□ 9 ... 11 mm / 0.35 ... 0.43 inch



#### Dimensions (in mm):

Modular terminal blocks and terminal strips with mounting flanges L = (pole no. x 3.5 mm) + 4.3 mm + 6.1 mm



2-conductor miniature through terminal block; with push-button; end terminal block with mounting flange; for screw or similar mounting types; 4.2 mm mounting hole diameter; with mounting foot (209-123) also for DIN-35 rail

Color	Item No.	Pack. Unit
○ gray ⓑ	2250-301 4	100
oblue 🗟	2250-304 3 4	100
orange 😡	2250-302 4	100
red    red    □	2250-303 4	100
● black ®	2250-305 4	100
o yellow 🛭	2250-306 4	100
brown 🗟	2250-301/000-014 4	100
green-yellow 🖾	2250-307 4	100

2-conductor miniature through terminal block; with push-button; center terminal block; without snap-in mounting foot; without mounting flange; for 0.6 ... 1.2 mm plate thickness; required between end plate and end terminal block for terminal strips with mounting flanges

◯ gray ᡚ	2250-321 4	100
blue 🗟	2250-324 3 4	100
orange 🛭	2250-322 4	100
ered 😡	2250-323 4	100
● black <sup>⑤</sup>	2250-325 4	100
o yellow 🛭	2250-326 4	100
brown 🗟	2250-321/000-014 4	100
green-yellow @	2250-327 4	100

Conductor range: 0.14 ... 1.5 mm2 "s+f-st"; Push-in termination: 0.5 ... 1.5 mm<sup>2</sup> "s" and 0.5 ... 1 mm2 "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 500 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II 352 V; 13.5 A 12 A jumper

Please observe the application notes: Jumpers, from page 182 Testing accessories, from page 176 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

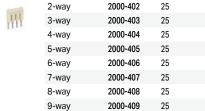
#### Accessories; 2250 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### End plate; with mounting flange; 1.3 mm thick

2050-381 100 (25) gray

#### Push-in type jumper bar; insulated; I<sub>N</sub> 14 A; light gray



2000-410

25

#### Push-in type jumper bar; insulated; I<sub>N</sub> 14 A; light gray

10-way

	1 to 3	2000-433	25	
	1 to 4	2000-434	25	
	1 to 5	2000-435	25	
	1 to 6	2000-436	25	
	1 to 7	2000-437	25	
	1 to 8	2000-438	25	
	1 to 9	2000-439	25	
	1 to 10	2000-440	25	

#### Delta jumper; insulated; $I_N = I_N$ terminal block; light gray 2000-406/020-000

1-23-45-6

1-3-5



Star point jumper; insulated;  $I_N = I_N$  terminal block; light

2000-405/011-000

25

#### Push-in type wire jumper; insulated; 0.75 mm² conductor cross-section; I<sub>N</sub> 9 A

L = 60 mm	2009-402	100 (10)
L = 110 mm	2009-404	100 (10)
L = 250 mm	2009-406	100 (10)

#### Accessories; 2250 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Modular connector; snaps together; for jumper contact

Terminal block width: 5 mm / 0.197 inch Only for test purposes



2000-511

100 (25)

Modular connector; snaps together; for jumper contact

#### Only for test purposes



Spacer module; snaps together; bridges commoned terminal blocks



#### Test plug; with 500 mm cable; 2 mm Ø; max. 42 V





#### WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel



2009-113

WMB Marker Card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width

793-3501 plain

Mounting foot with screw; for DIN-35 rail; can be screwed on terminal blocks with mounting flange; 6.4 mm wide

209-123 gray

Mounting adapter; for DIN-35 rail; can be used as end plate; 6.5 mm wide





gray



25



# Miniature Through Terminal Block TOPJOB® S; with Push-Button; with Snap-In Mounting Foot 1 (1.5) mm²; 2250 Series

#### **Technical Data**

0.14 ... 1 (1.5) mm<sup>2</sup> 10 500 V / 6 kV / 3 22 I<sub>N</sub> 13.5 A (17.5 A) 24 ... 16 AWG 300 V, 10 A **RN** 300 V, 10 A **®** 

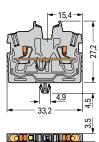
Terminal block width: 3.5 mm / 0.138 inch

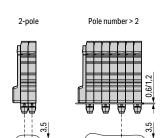
9 ... 11 mm / 0.35 ... 0.43 inch



Dimensions (in mm):

Modular terminal blocks and terminal strips with snap-in mounting





2-conductor miniature through terminal block; with push-button; with snap-in mounting foot; for 0.6 ...
1.2 mm plate thickness; 3.5 mm mounting hole diameter; also for aluminum DIN-rail (210-154) or with mounting foot (209-120) for DIN-35 rail

Color	Item No.	Pack. Unit
○ gray ⓑ	2250-311 4	100
blue 🗟	2250-314 3 4	100
orange 🗟	2250-312 4	100
ered 😡	2250-313 4	100
● black ⓑ	2250-315 4	100
o yellow 🕾	2250-316 4	100
brown 🗟	2250-311/000-014 4	100
green-yellow 🗟	2250-317 4	100

2-conductor miniature through terminal block; with push-button; center terminal block; without snap-in mounting foot; without mounting flange; for 0.6 ... 1.2 mm plate thickness; required between end plate and end terminal block for terminal strips with mounting flanges

$\bigcirc$	gray 🗟	2250-321 4	100	
	blue 🗟	2250-324 3 4	100	
	orange 🗟	2250-322 4	100	
	red 🗟	2250-323 4	100	
	green-yellow 🗟	2250-327 4	100	

Conductor range: 0.14 ... 1.5 mm² "s+f-st"; Push-in termination: 0.5 ... 1.5 mm² "s" and 0.5 ... 1 mm² "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

500 V = rated voltage
 6 kV = rated impulse voltage
 3 = pollution degree

3 Terminal blocks with a blue insulated housing are suitable for Ex i applications.

Terminal blocks with an Ex mark are suitable for Ex e II applications.
352 V; 13.5 A
12 A jumper

Please observe the application notes: Jumpers, from page 182 Testing accessories, from page 176 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2250 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

End plate; for terminal blocks with snap-in mounting foot; 3.4 mm thick

100 (25)



#### Push-in type jumper bar; insulated; $I_N$ 14 A; light gray



#### Push-in type jumper bar; insulated; I<sub>N</sub> 14 A; light gray

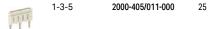
on in type j	umper bar, maan	atca, in 14 A, ii	grit gray
M	1 to 3	2000-433	25
	1 to 4	2000-434	25
	1 to 5	2000-435	25
	1 to 6	2000-436	25
	1 to 7	2000-437	25
	1 to 8	2000-438	25
	1 to 9	2000-439	25
	1 to 10	2000-440	25

#### Delta jumper; insulated; $I_N = I_N$ terminal block; light gray



1-2 3-4 5-6 **2000-406/020-000** 25

Star point jumper; insulated;  $I_N = I_N$  terminal block; light gray



### Push-in type wire jumper; insulated; 0.75 mm $^{2}$ conductor cross-section; $I_{\rm N}$ 9 A

L = 60 mm	2009-402	100 (10)
L = 110 mm	2009-404	100 (10)
L = 250 mm	2009-406	100 (10)

#### Accessories; 2250 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Modular connector; snaps together; for jumper contact slot

Terminal block width: 5 mm / 0.197 inch Only for test purposes



gray

2000-511

100 (25)

Modular connector; snaps together; for jumper contact slot

Only for test purposes



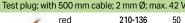
gray 2000-510

100 (25)

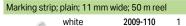
Spacer module; snaps together; bridges commoned terminal blocks



gray **2000-549** 100 (25)







WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel



WMB Marker Card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width

2009-113

210-154

plain 793-3501

Aluminum DIN-rail; 1000 mm long; 18 mm wide; 7 mm high



Plastic end stop; with WSB marker slot; for aluminum DIN-rail (210-154); 6 mm wide

209-122 25

Mounting foot; for DIN-35 rail; snaps onto terminal blocks with snap-in mounting foot; 6.4 mm wide

gray 209-120 25

Mounting screw; for mounting foot (209-120)



209-119

Mounting adapter; for DIN-35 rail; can be used as end plate; 6.5 mm wide gray 209-137 25



gruy

20

500 (50)

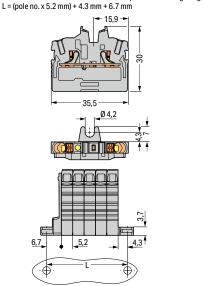


# Miniature Through Terminal Block TOPJOB® S; with Push-Button; with Mounting Flange 2.5 (4) mm<sup>2</sup>; 2252 Series



#### Dimensions in mm

Modular terminal blocks and terminal strips with mounting flanges



2-conductor miniature through terminal block; with push-button; end terminal block with mounting flange; for screw or similar mounting types; 4.2 mm mounting hole diameter; with mounting foot (209-123) also for DIN-35 rail

Color	Item No.	Pack. Unit
○ gray ⑤	2252-301 4	100
oblue 🗟	2252-304 3 4	100
orange 🛭	2252-302 4	100
ed 😉	2252-303 4	100
● black <sup>©</sup>	2252-305 4	100
yellow 🛭	2252-306 4	100
brown 🗟	2252-301/000-014 4	100
green-yellow 🛭	2252-307 4	100

2-conductor miniature through terminal block; with push-button; Center terminal block; without snap-in mounting foot; without mounting flange; for 0.6 ... 1.2 mm plate thickness; required between end plate and end terminal block for terminal strips with mounting flanges

○ gray ⓑ	2252-321 4	100
oblue 🛭	2252-324 3 4	100
orange 😡	2252-322 4	100
red 😡	2252-323 4	100
● black ⓑ	2252-325 4	100
yellow 🛭	2252-326 4	100
brown 🖾	2252-321/000-014 4	100
green-yellow @	2252-327 4	100

Conductor range: 0.25 ... 4 mm² "s+f-st" Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

- 800 V = rated voltage8 kV = rated impulse voltage3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications.
  550 V; 22 A
  20 A jumper

Please observe the application notes: Jumpers, from page 182 Testing accessories, from page 177 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

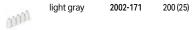
#### Accessories: 2252 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

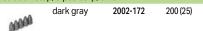
#### End plate; with mounting flange; 1.3 mm thick

0.0	gray	2052-381	100 (25)
-			

#### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>



#### Insulation stop; 5 pcs/strip; 0.75 ... 1 mm²



#### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray

100000	2-way	2002-402	25
THE	3-way	2002-403	25
2.4	4-way	2002-404	25
	5-way	2002-405	25
	6-way	2002-406	25
	7-way	2002-407	25
	8-way	2002-408	25
	9-way	2002-409	25
	10-way	2002-410	25

# Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray

F	1 to 3	2002-433	25
	1 to 4	2002-434	25
1	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 7	2002-437	25
	1 to 8	2002-438	25
	1 to 9	2002-439	25
	1 to 10	2002-440	25

#### Delta jumper; insulated; $I_N$ = $I_N$ terminal block; light gray

2002-406/020-000

25

1-2 3-4 5-6

Star point jumper; insulated;  $I_N = I_N$  terminal block; light gray

- ,			
5777	1-3-5	2002-405/011-000	25

#### Accessories; 2252 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Continuous jumper: insulated: L. 25 A: 1-2

Continuous jumper, insulateu, i <sub>N</sub> 25 A, 1-2					
Ĭ,	light gray	2002-400	25		
	red	2002-400/000-	005	25	
3*	blue	2002-400/000-	006	25	
Continuous ju	mper; insulated;	I <sub>N</sub> 25 A; 1 to 3			
f	light gray	2002-423	25		
	red	2002-400/000-	005	25	
	blue	2002-400/000-	006	25	
Continuous jumper; insulated; I <sub>N</sub> 25 A; 1 to 4					
	light gray	2002-424	25		
17	red	2002-424/000-	005	25	
	blue	2002-424/000-	006	25	
Continuous ju	mper; insulated;	I <sub>N</sub> 25 A, light g	ıray		
-	3-way	2002-413	25		

#### Staggered jumper; insulated; I<sub>N</sub> 25 A; light gray

5-way

iggerea jar	iggerea jarriper, inculated, in 2071, light gray				
WIX E	2-way	2002-472	25		
	3-way	2002-473	25		
3.1	4-way	2002-474	25		
	5-way	2002-475	25		
	6-way	2002-476	25		
	7-way	2002-477	25		
	8-way	2002-478	25		
	9-way	2002-479	25		
	10-way	2002-480	25		
	11-way	2002-481	25		
	12-way	2002-482	25		

2002-415

25

### Push-in type wire jumper; insulated; 1.5 mm $^{2}$ conductor cross-section; $I_{N}$ 18 A

	L = 60 mm	2009-412	100 (10)	
	L = 110 mm	2009-414	100 (10)	
4	L = 250 mm	2009-416	100 (10)	
L type test plug medule; enene tegether				



### Marking strip; plain; 11 mm wide; 50 m reel white 2009-110

white 2009-110 1

### WMB Inline; plain; 1,500 WMB markers (5 mm)/reel; stretchable 5 ... 5.2 mm

white 2009-115 1

WMB marker card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm

plain 793-5501 5

Million

Mounting foot with screw; for DIN-35 rail; can be screwed on terminal blocks with mounting flange; 6.4 mm wide



Mounting adapter; for DIN-35 rail; can be used as an end stop; 6.5 mm wide



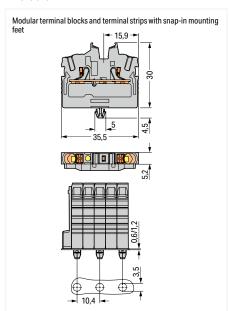


### Miniature Through Terminal Block TOPJOB® S; with Push-Button; with Snap-In Mounting Foot 2.5 (4) mm<sup>2</sup>; 2252 Series

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 800 V/8 kV/3 2 I<sub>N</sub> 24 A (32 A) Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch



#### Dimensions in mm



2-conductor miniature through terminal block; with push-button on one side; with snap-in mounting foot; for 0.6 ... 1.2 mm plate thickness; 3.5 mm mounting hole diameter; also for aluminum DIN-rail (210-154) or with mounting foot (209-120) for DIN-35 rail

Color	Item No.	Pack. Unit
○ gray ⓑ	2252-311 4	100
oblue 🗟	2252-314 3 4	100
orange 🛭	2252-312 4	100
red 😡	2252-313 4	100
● black ®	2252-315 4	100
o yellow 🛭	2252-316 4	100
brown 🗟	2252-311/000-014 4	100
green-yellow 🗟	2252-317 4	100

2-conductor miniature through terminal block; with push-button; Center terminal block; without snap-in mounting foot; without mounting flange; for 0.6 ... 1.2 mm plate thickness; required between end plate and end terminal block for terminal strips with mounting flanges

gray 😉	2252-321 4	100
oblue 🗟	2252-324 3 4	100
orange 🗟	2252-322 4	100
ered 😡	2252-323 4	100
● black ⓑ	2252-325 4	100
yellow ©	2252-326 4	100
brown 🛭	2252-321/000-014 4	100
green-yellow 🗟	2252-327 4	100

Conductor range: 0.25 ... 4 mm2 "s+f-st" Push-in termination: 1... 4 mm<sup>2</sup> "s" and 1... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

- 2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II 550 V; 22 A 20 A jumper

Please observe the application notes: Jumpers, from page 182 Testing accessories, from page 177 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2252 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

End plate; for terminal blocks with snap-in mounting foot; 3.4 mm thick



2052-391 100 (25)





Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>



#### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray



#### Push-in type jumper bar; insu ated; I<sub>N</sub> 25 A; light gray

F	1 to 3	2002-433	25	
	1 to 4	2002-434	25	
1	1 to 5	2002-435	25	
	1 to 6	2002-436	25	
	1 to 7	2002-437	25	
	1 to 8	2002-438	25	
	1 to 9	2002-439	25	
	1 to 10	2002-440	25	

Delta jumper; insulated;  $I_N = I_N$  terminal block; light gray 2002-406/020-000 1-2 3-4 5-6 25



Star point jumper; insulated;  $I_N = I_N$  terminal block; light



#### Accessories; 2252 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Continuous ju	mper; insulated;	I <sub>N</sub> 25 A; 1-2		
-	light gray	2002-400	25	
1	red	2002-400/000-	005	25
J.	blue	2002-400/000-	006	25
Continuous ju	mper; insulated;	I <sub>N</sub> 25 A; 1 to 3		
	light gray	2002-423	25	
13	red	2002-400/000-	005	25
	blue	2002-400/000-	006	25
Continuous ju	mper; insulated;	I <sub>N</sub> 25 A; 1 to 4		
	light gray	2002-424	25	
13	red	2002-424/000-	005	25
	blue	2002-424/000-	006	25
Continuous ju	mper; insulated;	I <sub>N</sub> 25 A, light g	ıray	
	3-way	2002-413	25	
(4.6	5-way	2002-415	25	

Staggered jumper, insulated; in 25 A; light gray					
125.00	2-way	2002-472	25		
38 K	3-way	2002-473	25		
3.1	4-way	2002-474	25		
	5-way	2002-475	25		
	6-way	2002-476	25		
	7-way	2002-477	25		
	8-way	2002-478	25		
	9-way	2002-479	25		
	10-way	2002-480	25		
	11-way	2002-481	25		
	12-way	2002-482	25		

#### Push-in type wire jumper; insulated; 1.5 mm<sup>2</sup> conductor cross-section; I<sub>N</sub> 18 A

	L = 60 mm	2009-412	100 (10)	
	L = 110 mm	2009-414	100 (10)	
4	L = 250 mm	2009-416	100 (10)	
L-type test pl	ug module; sna	ps together		
nells.	grav	2002-611	100 (25)	

#### WMB marker card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm



### Aluminum DIN-rail; 1000 mm long; 18 mm wide; 7 mm



DIN-rail (210-154); 6 n		aiuiiiiiui	
pas.	209-122	25	



Mounting foot; for DIN-35 rail; snaps onto terminal blocks with snap-in mounting foot; 6.4 mm wide

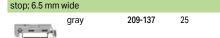
	gray	209-120	25	
A TO				





25

Mounting adapter; for DIN-35 rail; can be used as an end





### Miniature Through Terminal Block TOPJOB® S; with Mounting Flange 1 (1.5) mm<sup>2</sup>; 2050 Series

#### **Technical Data**

0.14 ... 1 (1.5) mm<sup>2</sup> 500 V / 6 kV / 3 2 I<sub>N</sub> 13.5 A (17.5 A)

24 ... 16 AWG 300 V. 10 A 50 300 V, 10 A@

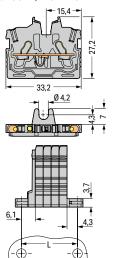
Terminal block width: 3.5 mm / 0.138 inch

□ 9 ... 11 mm / 0.35 ... 0.43 inch



#### Dimensions (in mm):

Modular terminal blocks and terminal strips with mounting flanges L = (pole no. x 3.5 mm) + 4.3 mm + 6.1 mm



2-conductor miniature through terminal block; with mounting flange; for screw or similar mounting types; 4.2 mm mounting hole diameter; with mounting foot (209-123) also for DIN-35 rail

Color	Item No.	Pack. Unit
○ gray ⑤	2050-301 4	100
■ blue   □	2050-304 3 4	100
orange 🛭	2050-302 4	100
ed 😉	2050-303 4	100
■ black ⑤	2050-305 4	100
o yellow 🗟	2050-306 4	100
brown 🗟	2050-301/000-014 4	100
green-yellow 😡	2050-307 4	100

2-conductor miniature through terminal block; center terminal block; without snap-in mounting foot; without mounting flange; for 0.6 ... 1.2 mm plate thickness required between end plate and end terminal block for terminal strips with mounting flang

○ gray ⑤	2050-321 4	100		
oblue 🗟	2050-324 3 4	100		
orange 🗟	2050-322 4	100		
ered 😡	2050-323 4	100		
● black ®	2050-325 4	100		
yellow 6	2050-326 4	100		
brown 🗟	2050-321/000-014 4	100		
areen-vellow @	2050-327 🕢	100		

Conductor range: 0.14 ... 1.5 mm2 "s+f-st"; Push-in termination: 0.5 ... 1.5 mm<sup>2</sup> "s" and 0.5 ... 1 mm2 "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 500 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II 352 V; 13.5 A 12 A jumper

Please observe the application notes: Jumpers, from page 182 Testing accessories, from page 176 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2050 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### End plate; with mounting flange; 1.3 mm thick

2050-381 100 (25) gray

#### Push-in type jumper bar; insulated; I<sub>N</sub> 14 A; light gray 2000-402 25 2-way

2000-403 25 4-way 2000-404 25 5-way 25 2000-405 6-way 2000-406 25 7-way 2000-407 25 8-way 2000-408 25 9-way 2000-409 25 2000-410 25 10-way

usii-iii type ji	amper bar, madic	ateu, in 14 A, ii	grit gray
THE REAL PROPERTY.	1 to 3	2000-433	25
1 1	1 to 4	2000-434	25
	1 to 5	2000-435	25
	1 to 6	2000-436	25
	1 to 7	2000-437	25
	1 to 8	2000-438	25
	1 to 9	2000-439	25
	1 to 10	2000-440	25

Delta jumper; insulated;  $I_N = I_N$  terminal block; light gray 1-2 3-4 5-6 2000-406/020-000

Star point jumper; insulated;  $I_N = I_N$  terminal block; light

1-3-5

yellow



#### Push-in type wire jumper; insulated; 0.75 mm<sup>2</sup> conductor cross-section; I<sub>N</sub> 9 A

2000-405/011-000

25

L = 60 mm	2009-402	100 (10)
L = 110 mm	2009-404	100 (10)
L = 250 mm	2009-406	100 (10)

2000-115

100 (25)

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

THE

#### Accessories; 2050 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Modular connector; snaps together; for jumper contact slot Terminal block width: 5 mm / 0.197 inch Only for test purposes



2000-511

100 (25)

Modular connector; snaps together; for jumper contact slot Only for test purposes



2000-510 100 (25)

Spacer module; snaps together; bridges commoned terminal blocks



gray

2000-549

100 (25)

Test plug; with 500 mm cable; 2 mm Ø; max. 42 V



white

210-136

2009-110

#### WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel



white

2009-113

WMB Marker Card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width plain 793-3501

Mounting foot with screw; for DIN-35 rail; can be screwed on terminal blocks with mounting flange; 6.4 mm wide

gray

209-123

Mounting adapter; for DIN-35 rail; can be used as end



plate; 6.5 mm wide

gray

209-137

25



### Miniature Through Terminal Block TOPJOB® S; with Snap-In Mounting Foot 1 (1.5) mm<sup>2</sup>; 2050 Series

#### **Technical Data**

0.14 ... 1 (1.5) mm<sup>2</sup> 500 V / 6 kV / 3 2 I<sub>N</sub> 13.5 A (17.5 A)

24 ... 16 AWG 300 V. 10 A 90 300 V, 10 A@

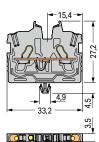
Terminal block width: 3.5 mm / 0.138 inch

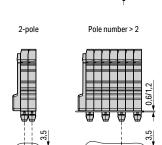
□ 9 ... 11 mm / 0.35 ... 0.43 inch



#### Dimensions (in mm):

Modular terminal blocks and terminal strips with snap-in mounting





2-conductor miniature through terminal block; with snap-in mounting foot; for 0.6 ... 1.2 mm plate thickness; 3.5 mm mounting hole diameter; also for aluminum DIN-rail (210-154) or with mounting foot (209-120) for DIN-35 rail

Color	Item No.	Pack. Unit
○ gray ⑤	2050-311 4	100
■ blue ⑤	2050-314 3 4	100
orange 🗟	2050-312 4	100
ed 😉	2050-313 4	100
● black ⑤	2050-315 4	100
yellow 😉	2050-316 4	100
brown 🗟	2050-311/000-014 4	100
green-yellow 🛭	2050-317 4	100

2-conductor miniature through terminal block; center terminal block; without snap-in mounting foot; without mounting flange; for 0.6 ... 1.2 mm plate thickness; required between end plate and end terminal block for terminal strips with mounting flanges

○ gray ⑤	2050-321 4	100
oblue 😉	2050-324 3 4	100
orange 😡	2050-322 4	100
ered 😡	2050-323 4	100
● black ⓑ	2050-325 4	100
green-yellow 🗟	2050-327 🐠	100

Conductor range: 0.14 ... 1.5 mm2 "s+f-st"; Push-in termination: 0.5 ... 1.5 mm<sup>2</sup> "s" and 0.5 ... 1 mm2 "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 2 500 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications 352 V; 13.5 A 12 A jumper

Please observe the application notes: Jumpers, from page 182 Testing accessories, from page 176 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2050 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

End plate; for terminal blocks with snap-in mounting foot; 3.4 mm thick

2050-391

100 (25)



### Push-in type jumper bar; insulated; I<sub>N</sub> 14 A; light gray

M	2-way	2000-402	25	
	3-way	2000-403	25	
1000	4-way	2000-404	25	
	5-way	2000-405	25	
	6-way	2000-406	25	
	7-way	2000-407	25	
	8-way	2000-408	25	
	9-way	2000-409	25	
	10-way	2000-410	25	

#### Push-in type jumper bar; insulated; I<sub>N</sub> 14 A; light gray

M	1 to 3	2000-433	25
	1 to 4	2000-434	25
	1 to 5	2000-435	25
	1 to 6	2000-436	25
	1 to 7	2000-437	25
	1 to 8	2000-438	25
	1 to 9	2000-439	25
	1 to 10	2000-440	25

#### Delta jumper; insulated; $I_N = I_N$ terminal block; light gray



2000-406/020-000

Star point jumper; insulated; I<sub>N</sub> = I<sub>N</sub> terminal block; light gray

1-2 3-4 5-6



2000-405/011-000 1-3-5 25

### Push-in type wire jumper; insulated; 0.75 mm² conductor

L = 60 mm	2009-402	100 (10)
L = 110 mm	2009-404	100 (10)
L = 250 mm	2009-406	100 (10)

#### Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

2000-115 100 (25) yellow

### THEFT

#### Accessories; 2050 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Modular connector; snaps together; for jumper contact slot Terminal block width: 5 mm / 0.197 inch Only for test purposes



2000-511 100 (25)

Modular connector; snaps together; for jumper contact slot Only for test purposes



gray

2000-510

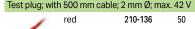
100 (25)

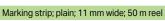
100 (25)

Spacer module; snaps together; bridges commoned terminal blocks



2000-549







#### WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel



WMB Marker Card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width



Aluminum DIN-rail; 1000 mm long; 18 mm wide; 7 mm

210-154



Plastic end stop; with WSB marker slot; for aluminum DIN-rail (210-154); 6 mm wide



Mounting foot; for DIN-35 rail; snaps onto terminal blocks with snap-in mounting foot; 6.4 mm wide



#### Mounting screw; for mounting foot (209-120)



209-119 500 (50)

Mounting adapter; for DIN-35 rail; can be used as end plate; 6.5 mm wide



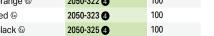
25

grav

209-137

25

25





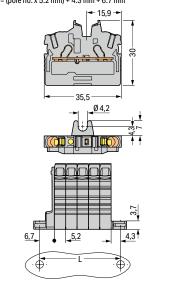
# Miniature Through Terminal Block TOPJOB® S; with Mounting Flange 2.5 (4) mm²; 2052 Series

#### 



#### Dimensions in mm

Modular terminal blocks and terminal strips with mounting flanges L = (pole no. x 5.2 mm) + 4.3 mm + 6.7 mm



2-conductor miniature through terminal block; with mounting flange; for screw or similar mounting types; 4.2 mm mounting hole diameter; with mounting foot (209-123) also for DIN-35 rail

Color	Item No.	Pack. Unit
○ gray ⑤	2052-301 4	100
blue 😉	2052-304 3 4	100
orange 😡	2052-302 4	100
red 😡	2052-303 4	100
● black ®	2052-305 4	100
o yellow 🛭	2052-306 4	100
brown 🛭	2052-301/000-014 4	100
Ogreen-yellow 🗟	2052-307 4	100

2-conductor miniature through terminal block; Center terminal block; without snap-in mounting foot; without mounting flange; for 0.6 ... 1.2 mm plate thickness; required between end plate and end terminal block for terminal strips with mounting flanges

gray 😉	2052-321 4	100
oblue 🗟	2052-324 3 4	100
orange 😡	2052-322 4	100
ered 🚱	2052-323 4	100
● black ⓑ	2052-325 4	100
o yellow 🛭	2052-326 4	100
brown 😡	2052-321/000-014 4	100
areen-vellow &	2052-327 🕢	100

Conductor range: 0.25 ... 4 mm² "s+f-st" Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

- 800 V = rated voltage
   8 kV = rated impulse voltage
   3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications.
  550 V; 22 A
  20 A jumper

Please observe the application notes: Jumpers, from page 182 Testing accessories, from page 177 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories: 2252 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### End plate; with mounting flange; 1.3 mm thick

gray 2052-381 100 (25)

#### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

light gray 2002-171 200 (25)

#### Insulation stop; 5 pcs/strip; 0.75 ... 1 mm²

dark gray 2002-172 200 (25)

#### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray

2002-402 25 2-way 2002-403 25 3-way 2002-404 25 4-way 2002-405 25 5-way 6-way 2002-406 25 2002-407 25 7-way 2002-408 25 8-way 2002-409 25 9-way 25

# 10-way 2002-410 25 Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray

The same	1 to 3	2002-433	25
	1 to 4	2002-434	25
1 -	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 7	2002-437	25
	1 to 8	2002-438	25
	1 to 9	2002-439	25
	1 to 10	2002-440	25

#### Delta jumper; insulated; $I_N$ = $I_N$ terminal block; light gray

1-2 3-4 5-6

ALIAN TO THE PARTY OF THE PARTY

2002-406/020-000

### Star point jumper; insulated; $I_N = I_N$ terminal block; light gray

1-3-5 2002-405/011-000 25

#### Accessories; 2252 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Continuous jumper; insulated; I <sub>N</sub> 25 A; 1-2			
	light gray	2002-400 2	5
1	red	2002-400/000-00	5 25
134	blue	2002-400/000-00	6 25
Continuous ju	umper; insulated	; I <sub>N</sub> 25 A; 1 to 3	
	light gray	2002-423 2	5
	red	2002-400/000-00	5 25
	blue	2002-400/000-00	6 25
Continuous ju	umper; insulated	; I <sub>N</sub> 25 A; 1 to 4	
	light gray	2002-424 2	5
	red	2002-424/000-00	5 25
	blue	2002-424/000-00	6 25
Continuous ju	umper; insulated	; I <sub>N</sub> 25 A, light gra	у
-	3-way	2002-413 2	5

#### Staggered jumper; insulated; I<sub>N</sub> 25 A; light gray

5-way

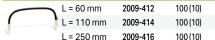
tu jun	a jumper, insulated, in 25 A, light gray					
	2-way	2002-472	25			
	3-way	2002-473	25			
	4-way	2002-474	25			
	5-way	2002-475	25			
	6-way	2002-476	25			
	7-way	2002-477	25			
	8-way	2002-478	25			
	9-way	2002-479	25			
	10-way	2002-480	25			
	11-way	2002-481	25			
	12-way	2002-482	25			

2002-415

25

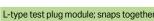
100 (25)

### Push-in type wire jumper; insulated; 1.5 mm $^{2}$ conductor cross-section; $I_{\text{\tiny N}}$ 18 A



### Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow 2002-115



gray 2002-611 100 (25)

#### Marking strip; plain; 11 mm wide; 50 m reel

white 2009-110

### WMB Inline; plain; 1,500 WMB markers (5 mm)/reel; stretchable 5 ... 5.2 mm

white 2009-115 1

### WMB marker card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm

plain **793-5501** 5

Mounting foot with screw; for DIN-35 rail; can be screwed on terminal blocks with mounting flange; 6.4 mm wide

gray 209-123 25

Mounting adapter; for DIN-35 rail; can be used as an end stop;  $6.5\,\mathrm{mm}$  wide

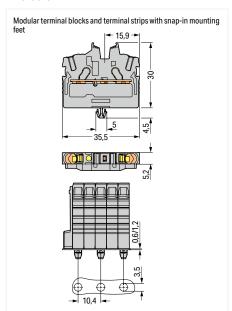


gray **209-137** 25

# Miniature Through Terminal Block TOPJOB® S; with Snap-In Mounting Foot 2.5 (4) mm²; 2052 Series



#### Dimensions in mm



2-conductor miniature through terminal block; with snapin mounting foot; for 0.6 ... 1.2 mm plate thickness; 3.5 mm mounting hole diameter; also for aluminum DIN-rail (210-154) or with mounting foot (209-120) for DIN-35 rail

Color	Item No.	Pack. Unit
○ gray ⓑ	2052-311 4	100
oblue 🗟	2052-314 3 4	100
orange 🛭	2052-312 4	100
ered 😡	2052-313 4	100
● black ®	2052-315 4	100
o yellow 😉	2052-316 4	100
brown 🗟	2052-311/000-014 4	100
areen-vellow ®	2052-317	100

2-conductor miniature through terminal block; Center terminal block; without snap-in mounting foot; without mounting flange; for 0.6 ... 1.2 mm plate thickness; required between end plate and end terminal block for terminal strips with mounting flanges

○ gray ⓑ	2052-321 4	100
oblue 🗟	2052-324 3 4	100
orange 🛭	2052-322 4	100
red 😡	2052-323 4	100
● black ⓑ	2052-325 4	100
yellow 😉	2052-326 4	100
brown 😉	2052-321/000-014 4	100
areen-vellow ©	2052-327	100

Conductor range: 0.25 ... 4 mm² "s+f-st" Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

- 800 V = rated voltage
   8 kV = rated impulse voltage
   3 = pollution degree
- 3 Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications.
  550 V; 22 A
  20 A jumper

Please observe the application notes: Jumpers, from page 182 Testing accessories, from page 177 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2252 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

End plate; for terminal blocks with snap-in mounting foot; 3.4 mm thick



gray **2052-391** 100 (25)

#### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>



#### Insulation stop; 5 pcs/strip; 0.75 ... 1 mm²

dark gray 2002-172 200 (25)

#### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray



#### Push-in type jumper bar; insulated; $I_N$ 25 A; light gray

F	1 to 3	2002-433	25	
	1 to 4	2002-434	25	
1	1 to 5	2002-435	25	
	1 to 6	2002-436	25	
	1 to 7	2002-437	25	
	1 to 8	2002-438	25	
	1 to 9	2002-439	25	
	1 to 10	2002-440	25	

Delta jumper; insulated; I<sub>N</sub> = I<sub>N</sub> terminal block; light gray

1-2 3-4 5-6 2002-406/020-000 25



Star point jumper; insulated;  $I_N = I_N$  terminal block; light grav



#### Continuous jumper; insulated; I<sub>N</sub> 25 A; 1-2

J	light gray	<b>2002-400</b> 25	
	red	2002-400/000-005	25
	blue	2002-400/000-006	25

#### Accessories; 2252 Series

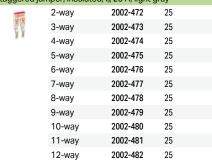
Appropriate marking systems: WMB/WMB Inline/Marking strips

Continuous j	umper; insulat	ed; I <sub>N</sub> 25 A; 1 to	3		
	light gray	2002-423	25		
	red	2002-400/000-005		25	
	blue	2002-400/00	0-006	25	
Continuous jumper; insulated; I <sub>N</sub> 25 A; 1 to 4					
	light gray	2002-424	25		

### red 2002-424/000-005 25 blue 2002-424/000-006 25

Continuous jumper; insulated; I <sub>N</sub> 25 A, light gray					
	3-way	2002-413	25		
1.0	5-wav	2002-415	25		

#### Staggered jumper; insulated; $I_{\text{N}}$ 25 A; light gray

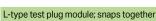


### Push-in type wire jumper; insulated; 1.5 mm $^{2}$ conductor cross-section; $I_{N}$ 18 A

	L = 60 mm	2009-412	100 (10)
	L = 110 mm	2009-414	100 (10)
4	L = 250 mm	2009-416	100 (10)

### Protective warning marker; with black high-voltage symbol; for 5 terminal blocks





<i>-</i> .	-		
RED.	gray	2002-611	100 (25)
2			

### WMB marker card; white; 10 strips with 10 markers/card; stretchable 5 $\dots$ 5.2 mm

plain **793-5501** 5

### Aluminum DIN-rail; 1000 mm long; 18 mm wide; 7 mm high



### Plastic end stop; with WSB marker slot; for aluminum DIN-rail (210-154); 6 mm wide



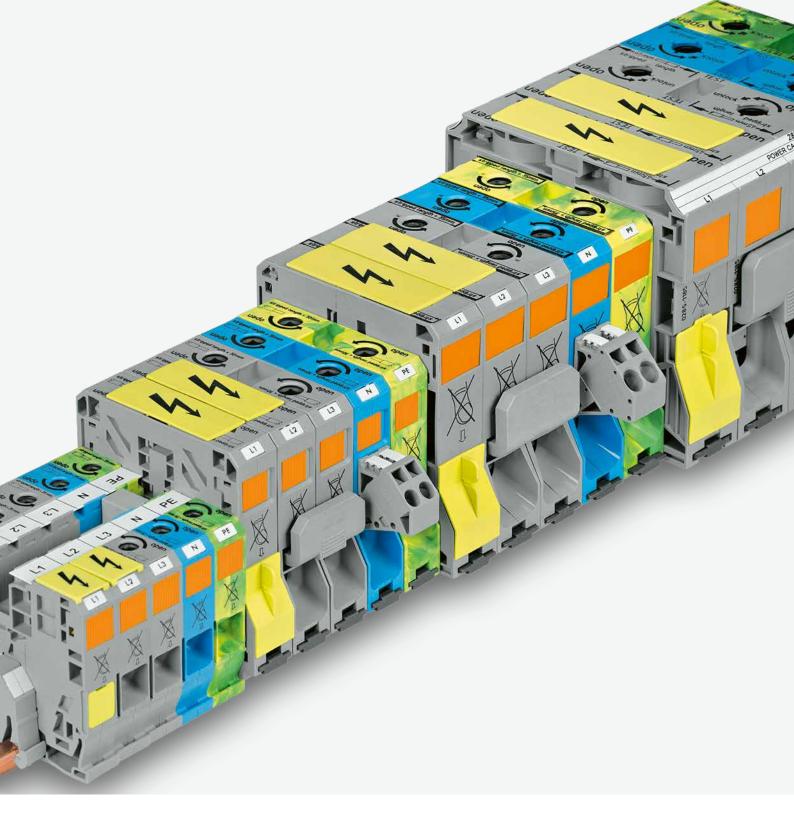
### Mounting foot; for DIN-35 rail; snaps onto terminal blocks with snap-in mounting foot: 6.4 mm wide

with shap in mounting 100t, 0.4 min wide					
AND DESCRIPTION OF THE PERSON	gray	209-120	25		

Mounting adapter; for DIN-35 rail; can be used as an end stop; 6.5 mm wide







WAGO High-Current Rail-Mount Terminal Blocks



### WAGO High-Current Rail-Mount Terminal Blocks

			Page
	Through Terminal Blocks and Ground Conductor Terminal Blocks 6 35 mm² (10 2 AWG)	285 Series	306
	Power Taps; for 35 mm² (2 AWG) Terminal Blocks 0.2 6 mm² (24 10 AWG)	285 Series	306
	Through Terminal Blocks and Ground Conductor Terminal Blocks 10 50 (70) mm² (8 1/0 AWG)	285 Series	310
in.	Power Taps; for 50 mm² (1/0 AWG) Terminal Blocks 0.2 6 mm² (24 10 AWG)	285 Series	310
	Through Terminal Blocks; with Mounting Flanges 10 50 (70) mm² (8 1/0 AWG)	285 Series	311
	Through Terminal Blocks and Ground Conductor Terminal Blocks 25 95 mm² (4 4/0 AWG)	285 Series	312
	Power Taps; for 95 mm² (4/0 AWG) Terminal Blocks 0.2 10 (16) mm² (24 8 AWG)	285 Series	312
	Through Terminal Blocks; with Mounting Flanges 25 95 mm <sup>2</sup> (4 4/0 AWG)	285 Series	313
Follow Hell	Through Terminal Blocks and Ground Conductor Terminal Blocks 50 185 mm² (1/0 AWG 350 kcmil)	285 Series	314
	Power Taps; for 185 mm² (350 kcmil) Terminal Blocks 0.2 10 (16) mm² (24 8 AWG)	285 Series	314
	Through Terminal Blocks; with Mounting Flanges 50 185 mm² (1/0 AWG 350 kcmil)	285 Series	315



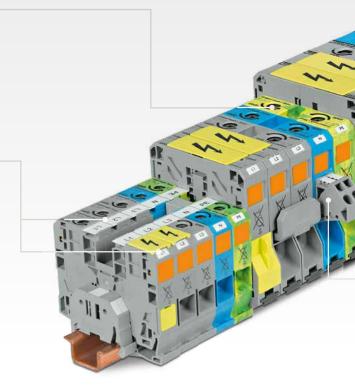
# High-Current Rail-Mount Terminal Blocks POWER CAGE CLAMP up to 185 mm<sup>2</sup> (350 kcmil)

#### Installation

- Firmly snap a ground conductor terminal block onto DIN-rail.
- The contact foot is secured, providing the appropriate power grounding connection.
- Use a 2.3 mm copper carrier rail.

### Marking

- WMB markers are suitable for all high-current rail-mount terminal blocks.
- Apply marking strips directly to both 35 mm<sup>2</sup> (2 AWG) and 185 mm<sup>2</sup> (350 kcmil) terminal blocks.
- Use marking strip carriers (Item No. 285-442) for 35 to 95 mm² (2–4/0 AWG) terminal blocks.



#### **Conductor Termination**



Rotate the T-wrench or screwdriver counter-clockwise to the stop ①. Next, push in the orange locking tab. The clamp is locked open for hands-free wiring.



Insert a stripped conductor into the clamping unit until it hits backstop. Hold in this position.



A short counter-clockwise rotation ② releases the tab. When unlocked, the T-wrench rotates clockwise, securely clamping the conductor.



2. Cut conductor to length (Conductor end must be straight!)3. Strip conductor (Observe strip length printed on terminal block!)



### Safety

- Warning covers visually indicate high-voltage applications, e.g., "CAUTION: Power is still on even after switching off the main switch!"
- Yellow finger guards (detachable) provide touch-proof safety by shielding jumper contact slots and/or unused conductor entries.
- Risk of injury!
   Keep fingers out of the conductor entry hole!

### Voltage Tap

- Provides safe and easy power distribution to additional loads.
- Insert the unwired tap before actuating the spring for termination.
- For 35 mm² (2 AWG) blocks, insert the power tap into the jumper slot in the middle of the terminal block.

### Commoning

for 35 mm<sup>2</sup> (2 AWG)



Commoning adjacent terminal blocks using a centrally positioned push-in jumper. Use an operating tool to remove the conductor.

for 50, 95 and 185 mm<sup>2</sup> (2/0, 4/0 AWG and 350 kcmil)



Commoning with an adjacent jumper: insert the jumper above the conductor entry hole prior to conductor termination.

The nominal cross-section remains unchanged.

### Commoning

via Step-Down Jumpers with TOPJOB® S



Commoning 35 mm² (2 AWG) high-current terminal blocks with 10/16 mm² (8/6 AWG) Terminal Blocks TOPJOB® S using step-down jumpers.

#### Testing



Easy troubleshooting via 4 mm Ø touch-proof test plug.

A test plug adapter (Item No. 283-404) is used for the 35 mm² (2 AWG) terminal block (Test plugs are not available from WAGO, but are offered by industry suppliers such as Multi-Contact Deutschland GmbH).



# High-Current Rail-Mount Terminal Blocks; 35 mm<sup>2</sup> 285 Series

### **Description and Installation**



Conductor termination – step 1: Rotate the operating tool (5.5 mm blade width) counter-clockwise. Next, push in the orange locking tab. The clamp is locked open for hands-free wiring.



Conductor termination – step 2: Insert a stripped conductor into the clamping unit until it hits backstop. Hold in this position.



Conductor termination – step 3:
A short counter-clockwise rotation closes the clamp, securing the conductor ①.
When unlocked, allow operating tool to rotate clockwise ② to securely terminate the conductor.



The power tap is inserted into the jumper contact slot. It can be fitted with a strain relief plate.



Testing
Voltage measurements can be performed (e.g., via 2-pole 206-707 Voltage Tester).





Testing with test plug adapter (Item No. 283-404).



High-current rail-mount terminal blocks, 35 mm² (2 AWG) and 50 mm² (2/0 AWG)



POWER CAGE CLAMP terminates the following copper conductors: solid "s"



stranded "st"



fine-stranded, also with tinned single strands





Commoning adjacent terminal blocks using a centrally positioned push-in jumper.



Slide the marking strip laterally to remove the jumper.



Commoning 35 mm² (2 AWG) POWER CAGE CLAMP Terminal Blocks with 10/16 mm² (8/6 AWG) 2010 and 2016 Series Terminal Blocks TOPJOP® S using step-down jumpers (not valid for 2016-76xx and 2016-77xx).



Step-down jumpers common terminal blocks of different sizes, without losing a conductor clamping point. This can be beneficial on long conductor runs where voltage drop can be a problem. A large conductor can be easily connected to smaller conductors at the distribution point.

Step-down jumpers are simply pushed down for full insertion, similar to adjacent jumpers. Commoning may be made in either direction using the special thin end plate to cover the open side. Additional through terminal blocks having a smaller cross-section may be commoned using adjacent jumpers.

In this case, pay attention that:

The total current of the outgoing circuits does not exceed the nominal current of the step-down jumper.



Side-entry wiring means that even larger conductors, which have limited flexibility, can be easily connected.



WMB markers or self-adhesive, printable marking strips can be accommodated on 35, 50 and 95 mm² high-current terminal blocks.



Marker carrier (Item No. 285-442) for marking strip (Item No. 2009-110) or 2 x WMB markers



fine-stranded, with ferrule (gastight crimped)





### High-Current Through Terminal Block, High-Current Ground Conductor Terminal Block 35 mm<sup>2</sup>; 285 Series

**Technical Data** 6 ... 35 mm<sup>2</sup> 1000 V / 8 kV / 3 1 600 V, 115 A 74 I<sub>N</sub> 125 A 600 V, 115 A@ Terminal block width: 16 mm / 0.63 inch





2-conductor through terminal block; only for DIN 35 x 15 rail					
Color	Item No.	Pack. Unit			
gray	285-135	15			
blue	285-134	15			
○ light gray ⓑ 285-935 <b>③</b> 15					
dark gray/yellow 285-131 15					
2-conductor ground terminal block; only suitable for					

86 mm/3.99 in

gray	285-135	15
blue	285-134	15
○ light gray ⓑ	285-935 3	15
<ul><li>dark gray/yellow</li></ul>	285-131	15
2-conductor ground terminal block; only suitable for DIN 35 x 15 rail; 2.3 mm thick; copper		
green-yellow	285-137	15
green-yellow 🛭	285-137/999-950 3	15
Accessories: item-sne	ecific	

Adjacent jumper; insulated; I<sub>N</sub> 85 A 285-435 50 (25) arav Step-down jumper; insulated; I<sub>N</sub> 90 A 50 (25) 285-430 gray

Protective warning marker; with a black high-voltage

100 (25) vellow 285-420

Finger guard; touch-proof cover protects unused conductor entries



Test plug adapter; 11.6 mm wide; for 4 mm Ø test plug;

285-139

285-421

100 (25)

for 1.5 ... 16 mm2 terminal blocks 283-404 25

Three-phase set; with 35 mm<sup>2</sup> high-current terminal

25

Power tap; I<sub>N</sub> 24 A; with 500 mm cable; for 16 mm<sup>2</sup> (283/783 Series) and 35 mm<sup>2</sup> (285/785 Series) rail-mount terminal blocks 283-407

Operating tool with a partially insulated shaft; type 3; (5.5



gray

210-721 25 (1) **Technical Data** 24 ... 10 AWG 0.2 ... 6 mm<sup>2</sup> 800 V / 8 kV / 3 2 600 V, 30 A 94  $I_N 32 A$ 600 V, 32 A@

Module width: 8 mm / 0.315 inch □ 12 ... 13 mm / 0.47 ... 0.51 inch



Power tap; for 35 mm² high-current terminal blocks		
Color	Item No.	Pack. Unit
○ gray	285-427	5

Accessories; item-specific Strain relief plate; gray 769-410 100 (25) 1-pole

Test plug; with 500 mm cable; 2 mm Ø; max. 42 V 210-136 50 (1) red

WMB marking card; white; 10 strips with 10 markers/card; for 5 ... 17.5 mm terminal block width plain 793-501

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

> 793-5501 5

1000 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree

2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree

3 Terminal blocks with an Ex mark are suitable for Ex e II 880 V, 101 A 1 jumper, 85 A 4 ... 5 jumpers, 75 A

Please observe the application notes: Step-down jumpers, see page 305 Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; for high-current terminal blocks

Appropriate marking systems: WMB/WMB Inline/Marking strips

Copper DIN-rail; per EN 60715; 35 x 15 mm; 2.3 mm thick; 2 m long



unslotted 210-198

Marking strip; plain; 11 mm wide; 50 m reel 2009-110 white

WMB marking card; white; 10 strips with 10 markers/card; for 5 ... 17.5 mm terminal block width

> 793-501 plain

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

> plain 793-5501 5

Marker carrier; for POWER CAGE CLAMP 35/50/95 mm<sup>2</sup>;

285-442 25



Screwless end stop; for DIN-35 rail; 10 mm wide



249-117 50 (25)

Screwless end stop; for DIN-35 rail; 14 mm wide

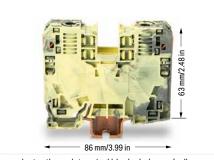


249-197





Always push voltage tap (Item No. 283-407) down into the terminal block until fully inserted!



2-conductor through terminal block, dark gray/yellow (Item No. 285-131), for ground connection without contact to the DIN-rail



# High-Current Rail-Mount Terminal Blocks; 50 ... 185 mm<sup>2</sup> 285 Series

### **Description and Installation**



Conductor termination – step 1: Rotate the T-wrench counter-clockwise to the stop ①. Next, push in the orange locking tab. The clamp is locked open for hands-free wiring.



Conductor termination – step 2: Insert a stripped conductor into the clamping unit until it hits backstop. Hold in this position.



Conductor termination – step 3: A short counter-clockwise rotation ② releases the tab. When unlocked, the T-wrench rotates clockwise, securely clamping the conductor.



For the optimal clamping force:

- · Bend conductor.
- Cut conductor to length (conductor end must be straight).
- Stripping a conductor.



Always observe the printed strip length!



Grounding foot:
Ground conductor terminal blocks (limited to max.
120 mm²/250 kcmil per EN 60947-7-2) must be snapped onto a 2.3 mm thick copper DIN-rail.



Protective warning marker may indicate:: Notice: Power is still on even after switching off the main switch!



Risk of injury!

Do not insert fingers in the conductor entry!



Yellow, detachable finger guards provide touch-proof safety by shielding jumper contact slots and/or unused conductor entries.



POWER CAGE CLAMP terminates the following copper conductors: solid "s"

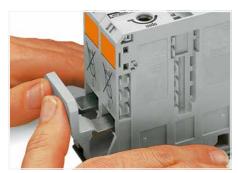


stranded "st"



fine-stranded "f-st", also with tinned single strands





Commoning with an adjacent jumper: insert the jumper above the conductor entry hole – prior to conductor termination. The nominal cross-section remains unchanged.



Removing jumper via operating tool.



Reliably and easily tap directly into the power supply.
Insert the unwired tap before opening the clamping unit.





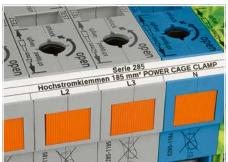
Testing via touch-proof 4 mm Ø test plugs (not available from WAGO, but offered by industry suppliers such as, Multi-Contact Deutschland GmbH).



Testing
Voltage measurements can be performed (e.g., via 2-pole 206-707 Voltage Tester).



WMB markers or self-adhesive, printable marking strips can be accommodated on 35, 50 and 95 mm² high-current terminal blocks.



In addition to WMB markers, marking strips can be directly applied to 185 mm² (350 kcmil) high-current terminal blocks.



fine-stranded, with ferrule (gastight crimped)





### High-Current Through Terminal Block, High-Current Ground Conductor Terminal Block 50 (70 "f-st") mm2; 285 Series

**Technical Data** 10 ... 50 (70 "f-st") mm<sup>2</sup> 8 ... 1/0 AWG 1000 V / 8 kV / 3 1 600 V, 150 A 74 I<sub>N</sub> 150 A 600 V, 150 A@

Terminal block width: 20 mm / 0.787 inch

□ 30 mm / 1.18 inch



□ 12 ... 13 mm / 0.47 ... 0.51 inch



			U
-	E.	1.2	

-	3
	80
	-
130	

Approvals and corresponding ratings, visit www.wago.com
Accessories; for high-current terminal blocks

inserted when the clamp is closed. Please observe the application notes:

Marking, from page 322

1000 V = rated voltage 8 kV = rated impulse voltage

3 = pollution degree

applications.

880 V, 134 A

Appropriate marking systems: WMB/WMB Inline/Marking strips

2 Terminal blocks with an Ex mark are suitable for Ex e II

Adjacent jumpers (285-450) can only be removed or

Marking strip; plain; 11 mm wide; 50 m reel

2009-110

2-conductor through terminal block; only for DIN 35 x 15 rail		r DIN 35 x
Color	Item No.	Pack. Unit
gray	285-150	5
blue	285-154	5
○ light gray ⓑ	285-950 2	5
<ul><li>dark gray/yellow</li></ul>	285-151	5
2-conductor ground terminal block; only suitable for DIN 35 $\times$ 15 rail; 2.3 mm thick; copper		table for
green-yellow	285-157	5
green-yellow 😡	285-157/999-950 2	5

94 mm/3.7 in

N 35 x	
ck. Unit	
e for	

Tower tap, for our min	riigir carrette terriiria	Diodio
Color	Item No.	Pack. Unit
gray	285-447	5

WMB marking card; white; 10 strips with 10 markers/card; for 5  $\dots$  17.5 mm terminal block width plain 793-501

WMB marking card; white; 10 strips with 10 markers/card; ... 5.2 mm stretchable

Marker carrier; for POWER CAGE CLAMP 35/50/95 mm<sup>2</sup>;

285-442

25

plain 793-5501

Accessories; item-specific Adjacent jumper; insulated; I<sub>N</sub> 150 A, for 1 jumper;  $I_{N}\,130$  A, for  $2\ldots4\,jumpers$ 

285-450 100 (25) gray

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks yellow 282-415

Accessories; item-specific

50 (25)

WMB marking card; white; 10 strips with 10 markers/card; for 5 ... 17.5 mm terminal block width

793-501 plain

Protective warning marker; with a black high-voltage 285-440 50 (25) vellow

Protective warning marker; with a black high-voltage symbol



yellow 285-449 25

Finger guard; touch-proof cover protects unused con-



blocks

yellow 285-441 100 (25)

285-159

ductor entries and jumper slots



Copper DIN-rail; per EN 60715; 35 x 15 mm; 2.3 mm



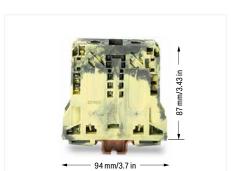
vless end stop; for DIN-35 rail; 14 mm wide 249-197 10

T-wrench with a partially insulated shaft

285-172 1



plain 793-5501



2-conductor through terminal block, dark gray/yellow (285-151), for ground connection without contact to the DIN-rail



Marker carrier (Item No. 285-442) for marking strip (Item No. 2009-110) or 2 x WMB markers





### High-Current Through Terminal Block; with Mounting Flanges 50 (70 "f-st") mm2; 285 Series

**Technical Data** 10 ... 50 (70 "f-st") mm<sup>2</sup> 8 ... 1/0 AWG 1000 V / 8 kV / 3 1 600 V, 150 A 🗫 I<sub>N</sub> 150 A 600 V, 150 A@ Terminal block width: 20 mm / 0.787 inch

□ 30 mm / 1.18 inch

**Technical Data** 10 ... 50 (70 "f-st") mm<sup>2</sup> 8 ... 1/0 AWG 1000 V / 8 kV / 3 1 600 V, 150 A **9**3 I<sub>N</sub> 150 A 600 V, 150 A@ Terminal block width: 20 mm / 0.787 inch

30 mm / 1.18 inch

1000 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree

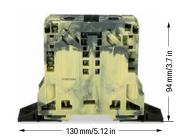
Adjacent jumpers (285-450) can only be removed or inserted when the clamp is closed.

Please observe the application notes: Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



2-conductor through terminal block; with mounting flanges		
Color	Item No.	Pack. Unit
gray	285-141	5
blue	285-144	5



2-conductor through terminal block; with mounting flanges		
Color	Item No.	Pack. Unit
dark gray/yellow	285-147	5



Optionally, insert block-to-block connector (Item No. 285-448) into housing slot.

#### Accessories; for high-current terminal blocks

Appropriate marking systems: WMB/WMB Inline/Marking strips

Adjacent jumper; insula	ted; I <sub>N</sub> 150 A, for 1 ju	mper;
I <sub>N</sub> 130 A, for 2 4 jump	ers	
grav	205 450	100 (25)



Block-to-block connector; for 50 mm² high-current terminal blocks



orange 285-448 50 (25)

Protective warning marker; with a black high-voltage

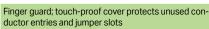


yellow 285-440 50 (25)

Protective warning marker; with a black high-voltage symbol



285-449 yellow





285-441 100 (25) yellow

Three-phase set; with 50 mm² high-current terminal

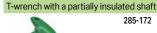


285-148

Power tap; for 50 mm² high-current terminal blocks



285-447



Marking strip; plain; 11 mm wide; 50 m reel white 2009-110

WMB marking card; white; 10 strips with 10 markers/card;

plain

793-501

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable plain

gray

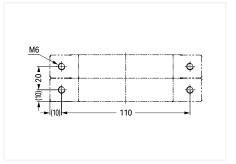
793-5501

Marker carrier; for POWER CAGE CLAMP 35/50/95 mm²;

285-442 25



Align and snap high-current, through terminal blocks together.



Dimensions (in mm): Drill hole separation distance





# High-Current Through Terminal Block, High-Current Ground Conductor Terminal Block 95 mm<sup>2</sup>; 285 Series

Technical Data

25 ... 95 mm<sup>2</sup> 4 ... 4/0 AWG

1000 VAC/DC/1500 VDC/12 kV / 3 **2** 600 V, 200 A **N** I<sub>N</sub> 232 A 1000 V, 210 A **6** 

Terminal block width: 25 mm / 0.984 inch

35 mm / 1.38 inch



<b>→</b> 107 mm/4.21 in <b>→</b>
2-conductor through terminal block; only for DIN 35 x

15 rail			
Color	Item No.	Pack. Unit	
gray	285-195	5	
blue	285-194	5	
○ light gray ⓑ	285-995 4	5	
dark gray/yellow	285-191	5	
2-conductor ground terminal block; only suitable for			

DIN 35 x 15 rail; 2.3 mm thick; copper

② green-yellow ② 285-197 5

③ green-yellow ⑤ 285-197/999-950 ④ 5

Accessories; item-specific

Adjacent jumper; insulated;  $I_{N}$  232 A, for 1 jumper;  $I_{N}$  192 A, for 2 ... 4 jumpers

gray **285-495** 25

Protective warning marker; with a black high-voltage

yellow 285-170 50 (25)

Protective warning marker; with a black high-voltage symbol



yellow **285-175** 25

Finger guard; touch-proof cover protects unused conductor entries and jumper slots



yellow **285-169** 25

285-199

Three-phase set; with 95 mm² high-current terminal

Copper DIN-rail; per EN 60715; 35 x 15 mm; 2.3 mm



Screwless end stop; for DIN-35 rail; 14 mm wide



T-wrench with a partially insulated shaft



285-172 1

**Technical Data** 

Module width: 20 mm / 0.787 inch



#### Power tap; for 95 mm² high-current terminal blocks

Color	Item No.	Pack. Unit
gray	285-407	5

Protective warning marker; with black high-voltage

284-415

793-501

50 (25)

Accessories; item-specific

symbol; for 5 terminal blocks

yellow

for 5 ... 17.5 mm terminal block width

plain

 Power tap; for 95 mm<sup>2</sup> high-current terminal blocks Max. conductor size: 16 mm<sup>2</sup>

1000 VAC/DC
 1500 VDC = rated voltage
 12 kV = rated impulse voltage
 3 = pollution degree

3 1000 V = rated voltage8 kV = rated impulse voltage3 = pollution degree

Terminal blocks with an Ex mark are suitable for Ex e II applications.
25 05 mm<sup>2</sup> / 4 4/0 AWC

25 ... 95 mm² / 4 ... 4/0 AWG 880 V, 211 A 1 jumper, 211 A 2 ... 4 jumpers, 175 A 35 ... 70 mm² / 2 ... 2/0 AWG

for ground conductor terminal blocks
Please observe the application notes:

Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

Accessories; for high-current terminal blocks

Appropriate marking systems: WMB/WMB Inline/Marking strips

Marking strip; plain; 11 mm wide; 50 m reel white 2009-110

WMB marking card; white; 10 strips with 10 markers/card; for 5 ... 17.5 mm terminal block width

plain 793-501

WMB marking card; white; 10 strips with 10 markers/card;  $5 \dots 5.2$  mm stretchable

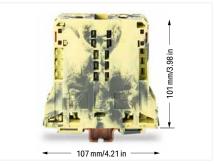
plain **793-5501** 5

Marker carrier; for POWER CAGE CLAMP 35/50/95 mm<sup>2</sup>; 10.4 mm wide

y **285-442** 25

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable plain 793-5501 5

WMB marking card; white; 10 strips with 10 markers/card;



2-conductor through terminal block, dark gray/yellow (Item No. 285-191), for ground connection without contact to the DIN-rail



Marker carrier (Item No. 285-442) for marking strip (Item No. 2009-110) or 2 x WMB markers





### High-Current Through Terminal Block; with Mounting Flanges 95 mm<sup>2</sup>; 285 Series

**Technical Data** 25 ... 95 mm<sup>2</sup> 1000 V / 8 kV / 3 1 600 V, 200 A 🗫 I<sub>N</sub> 232 A 1000 V, 210 A@ Terminal block width: 25 mm / 0.984 inch □ 35 mm / 1.38 inch

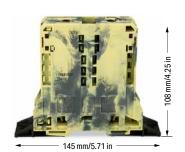
Technical Data 25 ... 95 mm<sup>2</sup> 4 ... 4/0 AWG 1000 V / 8 kV / 3 1 600 V, 200 A 🗫  $I_N 232 A$ 1000 V, 210 A@ Terminal block width: 25 mm / 0.984 inch 35 mm / 1.38 inch

1000 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree Please observe the application notes: Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com



2-conductor through terminal block; with mounting flanges				
Color	Item No.	Pack. Unit		
gray	285-181	5		
blue	285-184	5		



2-conductor through terminal block; with mounting flanges			
Color	Item No.	Pack. Unit	
dark gray/yellow	285-187	5	



Optionally, insert block-to-block connector (Item No. 285-168) into housing slot.

#### Accessories; for high-current terminal blocks

Appropriate marking systems: WMB/WMB Inline/Marking strips

Adjacent jumper; insulated <sub>N</sub> 192 A, for 2 4 jumpers		jumper;	
gray	285-495	25	



Block-to-block connector; for 95 mm² high-current terminal blocks



285-168 50 (25) orange



Protective warning marker; with a black high-voltage symbol



yellow 285-170 25

Protective warning marker; with a black high-voltage symbol



285-175 25

Finger guard; touch-proof cover protects unused conductor entries and jumper slots



yellow 285-169

Three-phase set; with 95 mm² high-current terminal



285-188

Power tap; for 95 mm² high-current terminal blocks



285-407

T-wrench with a partially insulated shaft



285-172

Marking strip; plain; 11 mm wide; 50 m reel 2009-110 white

WMB marking card; white; 10 strips with 10 markers/card;

plain

793-501

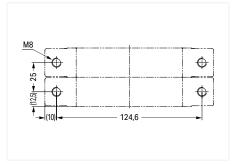
WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable 793-5501 5

Marker carrier; for POWER CAGE CLAMP 35/50/95 mm²;

gray 285-442



Align and snap high-current, through terminal blocks together.



Dimensions (in mm): Drill hole separation distance





### High-Current Through Terminal Block, High-Current Ground Conductor Terminal Block 185 mm<sup>2</sup>; 285 Series

**Technical Data** 50 ... 185 mm<sup>2</sup> 1/0 AWG ... 350 kcmil 1000 VAC/DC/1500 VDC/12 kV / 3 3 600 V, 310 A 91 1000 V, 310 A@

Terminal block width: 32 mm / 1.26 inch

□ 45 ... 47 mm / 1.77 ... 1.85 inch



z-conductor through terminal block; only for DIN 35 x 15 rail				
Color	Item No.	Pack. Unit		
gray	285-1185	5		
hlue	205-110/	5		

5 ○ light gray ⑤ 285-1189 285-1181 dark grav/vellow

2-conductor ground terminal block; only suitable for DIN 35 x 15 rail; 2.3 mm thick; copper

green-yellow 285-1187 5 green-yellow & 285-1187/999-950 6

**Technical Data** 

0.2 ... 10 (16) mm<sup>2</sup> 2 24 ... 8 AWG 600 V, 50 A 👊 1000 V / 8 kV / 3 4 600 V, 50 A@

Module width: 20 mm / 0.787 inch

□ 12 ... 13 mm / 0.47 ... 0.51 inch



Power tap; for 185 mm² high-current terminal blocks

Color	Item No.	Pack. Unit
gray	285-1175	5

1 50 ... 120 mm<sup>2</sup> / 1/0 AWG ... 250 kcmil for ground conductor terminal blocks (285-1187)

Power tap; for 185 mm<sup>2</sup> high-current terminal blocks Max. conductor size: 16 mm<sup>2</sup>

1000 VAC/DC 1500 VDC = rated voltage 12 kV = rated impulse voltage 3 = pollution degree

1000 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree

Terminal blocks with an Ex mark are suitable for Ex e II applications.

... 185 mm2 / 1/0 AWG ... 350 kcmil 1000 V, 250 A

1 jumper, 250 A

4 ... 5 jumpers, 236 A

50 ... 120 mm2 / 1/0 AWG ... 250 kcmil for ground conductor terminal blocks

Please observe the application notes: Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; for high-current terminal blocks

Appropriate marking systems: WMB/WMB Inline/Marking strips

Marking strip; plain; 11 mm wide; 50 m reel

white 2009-110

Accessories; item-specific

Adjacent jumper; insulated; I<sub>N</sub> 309 A for 1 jumper



gray 285-1171

Protective warning marker; with a black high-voltage



285-1177 50 (25) vellow

Protective warning marker; with a black high-voltage symbol

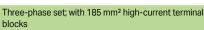


yellow 285-1176 25

Finger guard; touch-proof cover protects unused conductor entries and jumper slots



285-1178 25 yellow





285-1169

10

Copper DIN-rail; per EN 60715; 35 x 15 mm; 2.3 mm



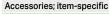
unslotted 210-198

vless end stop; for DIN-35 rail; 14 mm wide 249-197 10





285-172 1



Protective warning marker; with black high-voltage symbol; for 5 terminal blocks



yellow 284-415

50 (25)

WMB marking card; white; 10 strips with 10 markers/card; for 5 ... 17.5 mm terminal block width

> 793-501 plain

WMB marking card; white; 10 strips with 10 markers/card; 5...5.2 mm stretchable

> plain 793-5501

WMB marking card; white; 10 strips with 10 markers/card; for 5 ... 17.5 mm terminal block width

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

793-5501 plain

Marker carrier; for POWER CAGE CLAMP 35/50/95 mm<sup>2</sup>; 10.4 mm wide

285-442 25



Tapping directly into the power supply.



In addition to WMB markers, marking strips can be directly applied to 185 mm<sup>2</sup> (350 kcmil) high-current terminal blocks.

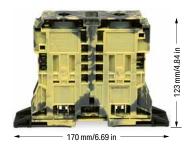




### High-Current Through Terminal Block; with Mounting Flanges 185 mm<sup>2</sup>; 285 Series

**Technical Data** 50 ... 185 mm<sup>2</sup> 1/0 AWG ... 350 kcmil 1000 VAC/DC/1500 VDC/12 kV / 3 3 600 V, 310 A 91 I<sub>N</sub> 353 A 1000 V, 310 A@ Terminal block width: 32 mm / 1.26 inch □ 45 ... 47 mm / 1.77 ... 1.85 inch





1000 VAC/DC 1500 VDC = rated voltage 12 kV = rated impulse voltage 3 = pollution degree

2 Terminal blocks with an Ex mark are suitable for Ex e II applications. 50 ... 185 mm<sup>2</sup> / 1/0 AWG ... 350 kcmil

1000 V, 250 A 1 jumper, 250 A 4 ... 5 jumpers, 236 A

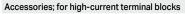
Please observe the application notes: Marking, from page 322

Approvals and corresponding ratings, visit www.wago.com

123 mm/4.84 in
<b>→</b> 170 mm/6 69 in <b>→</b>

2-conductor through terminal block; with mounting flanges				
Color	Item No.	Pack. Unit		
gray	285-1161	4		
blue	285-1164	4		
O light gray © 285-1163 <b>2</b> 4				

2-conductor through terminal block; with mounting flanges					
Color Item No. Pack. Unit					
dark gray/yellow	285-1167	4			
○ dark gray/yellow ② 285-1167/999-950 ② 4					



Appropriate marking systems: WMB/WMB Inline/Marking strips

Adjacent jur	mper; insulate	ed; I <sub>N</sub> 309 A for 1 j	umper	Marking strip; plain; 11 mm wi
	gray	285-1171	25	white
1000				

2009-110

WMB marking card; white; 10 strips with 10 markers/card; for 5 ... 17.5 mm terminal block width 793-501 5 plain

ide; 50 m reel



285-1179) into housing slot.





285-1176

Protective warning marker; with a black high-voltage symbol

Protective warning marker; with a black high-voltage



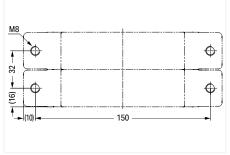
vellow

285-1177 50 (25)

25

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable 793-5501 5

plain



Dimensions (in mm): Drill hole separation distance

Finger guard; touch-proof cover protects unused conductor entries and jumper slots



285-1178 25

Three-phase set; with 185 mm² high-current terminal



285-1165

Power tap; for 185 mm² high-current terminal blocks



285-1175

T-wrench with a partially insulated shaft



285-172



Secure the terminal block to a mounting plate using two M8 cylinder-head screws and appropriate washers.





**WAGO Accessories and WAGO Tools** 

### **WAGO Accessories and WAGO Tools**

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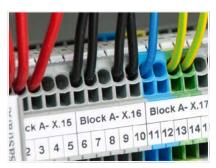


WAGO Marking Systems www.wago.com

# **Smart Printer**



# Terminal Block Marking



### Multi-line marking strips for clear, detailed control cabinet labels

- WMB Inline markers on a reel are suitable for various terminal block sizes –
  just one marker size for all standard
  applications
- Same profile across all WAGO Rail-Mount Terminal Blocks TOPJOB® S ensures quick labeling

### Cable and Conductor Marking



Different versions available:

- Marking sleeves, self-laminating labels, conductor markers for thread-on mounting or shrink tubes
- Large variety of marking surface sizes

### **Device Marking**

**Smart Printer** 

 Compact and easy-to-use
 Quickly print and install marking strips

· Cost-effective marking from

beginning to end



Broad selection of label types (e.g., printable fabric), push-button markers and type plates optimizes marking for devices and control cabinets

 Labels and markers are available in a variety of colors and sizes



www.wago.com WAGO Marking Systems

### **Printing with the Thermal Transfer Smart Printer**





#### Direct Printing from a CAE System

With the perfect EPLAN interfaces, both terminal block markings and marking accessories for electrical equipment and conductors can be conveniently generated directly from a CAE system. Direct connection to the Thermal Transfer Smart Printer accelerates the manufacturing process.



Generate Marking Data from the Configuration Software

Save time and reduce your costs by printing markings directly from WAGO's Smart Designer Configuration Software on the economical Thermal Transfer Smart Printer. Configured terminal strips can be printed with just a few mouse clicks.



WAGO Marking Software Smart Script

With its intuitive operation, this clearly structured marking software is suitable for all WAGO markers. Eliminate duplicated effort and simply export data from Excel or CAE systems for marking your terminal strips.

WAGO Marking Systems www.wago.com

# WAGO Marking Software Smart Script Intuitive Marking Software

With its intuitive operation, this clearly structured marking software is suitable for all WAGO markers. Eliminate duplicated effort and simply export data from Excel or CAE systems for marking your terminal strips.

Combining superior usability with a modern design, Smart Script helps the user complete the task quickly and easily with just a few clicks. For example, Smart Script can be used to easily customize type labels, as well as define and print barcodes and graphic elements.

- → Modern design and intuitive workflow
- Fast and easy use thanks to an integrated printer driver and printer settings
- A large selection of different marking media, including templates
- Optimized data interfaces to WAGO Configurator Smart Designer, EPLAN P8, Microsoft Excel, CSV





www.wago.com WAGO Marking Systems







Accessories for unwinding material



Open the printer.



Insert the ink ribbon.



Prepare the marking material.



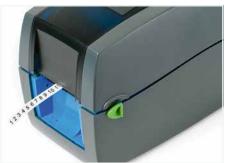
Printing 2009-110 Marking Strips on TOPJOB® S Rail-Mount Terminal Blocks with Smart Printer



Insert and secure the appropriate roller into the printer.



Printer has several interfaces: USB, ETHERNET, serial COM port



Fast, cost-effective and easy to use – printing WMB Inline markers via Smart Printer



WAGO Marking Systems www.wago.com

# Thermal Transfer Printer Smart Printer



Connection data	
Interfaces	USB, RS-232, ETHERNET 10/100 Mbps
System requirements	
Supported operating systems	Windows 7; Windows 8; Windows 10
Memory	4 GB
Technical data	
Marking method	Thermal transfer
Operating voltage	100 240 VAC, 50 60 Hz (automatic adjustment)
Print resolution	300 dpi (12 pixels/mm)
Print speed	max. 127 mm/s (WAGO recommends 50.8 mm/s)
Print width (max.)	47 mm
Print length (max.)	762 mm
Print head	Glass layer, spring-mounted
See-through/reflective sensor	yes, centrally fixed
Memory	8 MB
Operating display	Color TFT LCD with navigation button
Safety approvals	CE (EMC)
Ink ribbon	Reel outside diameter: 40 mm; core inside diameter 12.7 mm (0.5 inch) max. length 110 m; max. width 58 mm
Mechanical Data	
	(405, 475, 045)
Dimensions W x H x D	(135 x 175 x 245) mm
Environmental requirements	
Ambient temperature (operation)	+5 +40 °C
Surrounding air temperature (storage)	-20 +50 °C



## **Cutter** Smart Printer

Scope of delivery: Power supply + cable, 2 x roller (Item No. 258-5006 + Item No. 258-5007), 1 x roll holder, 1 x ink ribbon (258-5005), mart Script marking software and driver, USB cable, external unwinder, 2 x empty cardboard roller core, 1 x roll of marking strips (Item No. 2009-110) and WMB Inline markers (Item No. 2009-115) each

Scope of delivery: Power supply + cable, 2 rollers (Item No. 258-5006 + Item No. 258-5007), 1 roll holder, 1 ink ribbon (Item No. 258-5005), Smart Script marking software and driver, USB cable, external unwinder, 2 empty cardboard roller cores





		200 0000
Color	Item no.	PU
0	258-5000	1

258-5000

		250-5000
Color	Item no.	PU
0	258-5001	1

PU = packaging unit; SPU = subpackaging unit

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## Cutter **Smart Printer**



258-5030

Dimensions W x H x D: (60 x 107 x 131) mm		
Color	Item no.	PU
0	258-5030	1



- Hardware requirements:
   Printer model: Smart Printer
- From manufacturing month/year: 0814 August 2014
  Firmware version: 1.UW7i
- Printer driver: Version 7.4.2

- Software requirements:
  Smart Script: Version 4.2 or higher
  WAGO printer settings: Version 2.4.0.0 or higher
- Approved print material to be cut:
  Marking Strips: 2009-110, 709-177, 709-178, 757-901/000-050
  Self-Adhesive Marking Strips: 210-702, 210-870...-882/000-002
  Cable Tie Markers: 211-835...-836, 211-836/000-002
  Self-Laminating Labels: 211-855...-857
  Wire Markers for Thread-On Mounting: 211-861...-863

- -863

- Type Labels: 210-801 ... -804, 210-812
   Continuous Labels: 210-831 ... -834
   Label for Circuit Identification: 210-813
- Dimensions of printing materials:
- Width (max.): 46 mm
  Thickness (max.): 250 µm



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# Marking Systems Description and Installation



Separating a strip from the WMB or WMB marker card.



Stretching a WMB marker strip.



Separating an individual marker from the strip – for larger terminal blocks.



Marking via Mini-WSB Quick Marking System.

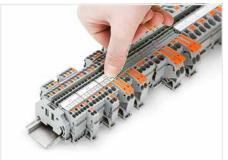


WMB markers in Mini-WSB marker slots Translucent marking strip Mini-WSB markers

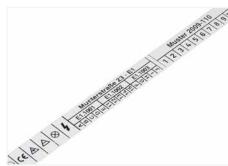




Printing a marking strip (Item No. 2009-110) via Smart Printer.



Snapping a marking strip into the marker slot.



Marking strip – multi-line printing





Snapping a marking strip into the marker slot.



Snapping a WMB marker strip into the marker slot of the double marker carrier.  $\,$ 



WMB "decade" marking





Group marker carriers for WAGO Rail-Mount Terminal Blocks TOPJOB® S – can be snapped into jumper slots.



Double- and triple-deck marker carriers can be retrofitted into the jumper contact slot of double- and triple-deck terminal blocks.



Height adjustable group marker carrier (Item No. 2009-163) for marking strips (Item No. 2009-110)



Height-adjustable group marker carrier

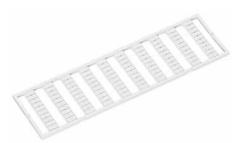


Additional group marking

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# Marking System

# Terminal Block Width: 3.5 mm, 4 ... 4.2 mm and from 5 mm



Use		
Marker width	Can be snapped onto the following terminal block series	
	for continuous marking	that will be separated
3.5 mm	2000, 2020	-
4 4.2 mm	279, 2001	-
5 5.2 mm	270, 280, 780, 869, 870, 880, 2002, 2003, 2022	Terminal blocks with spacing > 5 5.2 mm
5 17.5 mm	270, 280, 780, 869, 870, 880	281 285, 781 785, 2002, 2004, 2005, 2006, 2007, 2010, 2016, 2022

WMB marker card; plain; 10 strips with 10 markers/card					
Color	5 mm Item No.	5 5.2 mm Item No.	4 4.2 mm Item No.	3.5 mm Item No.	Pack. Unit
white	793-501	793-5501	793-4501	793-3501	5
yellow	793-501/000-002	793-5501/000-002	793-4501/000-002		5
red	793-501/000-005	793-5501/000-005	793-4501/000-005		5
blue	793-501/000-006	793-5501/000-006	793-4501/000-006		5
gray	793-501/000-007	793-5501/000-007	793-4501/000-007		5
orange	793-501/000-012	793-5501/000-012	793-4501/000-012		5
light green	793-501/000-017	793-5501/000-017	793-4501/000-017		5
green	793-501/000-023	793-5501/000-023	793-4501/000-023		5
violet	793-501/000-024	793-5501/000-024	793-4501/000-024		5



Use		
Marker width	Can be snapped onto the following terminal block series	
	for continuous marking	that will be separated
3.5 mm	2000, 2020	-
4 4.2 mm	279, 2001	-
5 5.2 mm	270, 280, 780, 869, 870, 880, 2002, 2003, 2022	Terminal blocks with spacing > 5 5.2 mm

WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel		
Color	3.5 mm Item No.	Pack. Unit
O white	2009-113	1

WMB Inline; plain; 2,000 WMB markers (4 mm)/reel; stretchable 4 4.2 mm		
Color	4 4.2 mm Item No.	Pack. Unit
○ white	2009-114	1

WMB Inline; plain; 1,500 WMB markers (5 mm)/reel; stretchable 5 5.2 mm		
Color	5 5.2 mm Item No.	Pack. Unit
O white	2009-115	1



Use	
	Can be snapped onto the following terminal block series
	2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2010, 2016, 2020, 2022

Marking strip; plain; 11 mm wide; 50 m reel		
Color	Item No.	Pack. Unit
O white	2009-110	1
yellow	2009-110/020-002	1



## Mini-WSB Quick Marking System

## Terminal Block Width: 5 mm



Use		
Marker width	Can be snapped onto the following terminal block series	
	for continuous marking	that will be separated
5 mm	264, 270, 869, 880, 769, 870, 218, 233 236, 243, 250, 252 257, 735 742, 745, 746, 804, 805, 806, 816, 831, 750, 753, 2002, 2003, 2022	745, 746, 2004, 2006, 2007, 2010, 2016

Mini-WSB marker card; plain; 10 strips with 10 markers/card		
Color	Item No.	Pack. Unit
O white	248-501	5
yellow	248-501/000-002	5
red	248-501/000-005	5
blue	248-501/000-006	5
gray	248-501/000-007	5
orange	248-501/000-012	5
light green	248-501/000-017	5
green	248-501/000-023	5
violet	248-501/000-024	5



Mini-WSB marker card; with marking; not stretchable; horizontal marking; snap-on type		
Marking	Item No.	Pack. Unit
1,,2,,3,,4,,5,; to 46,,47,,48,,49,,50,; (each 1x)	264-900	5
○ U, , V, , W, , N, , PE, ; (10x)	264-901	5
○ L1, , L2, , L3, , N, , PE, ; (10x)	264-902	5
(1, 1, 1, 1, 1, 1; (10x)	264-903	5
2,,2,,2,,2,;(10x)	264-904	5
3,,3,,3,,3,;(10x)	264-905	5



Use		
Marker width	Can be snapped onto the following terminal block series	
	for continuous marking	that will be separated
5 mm	264, 270, 869, 880, 769, 870, 218, 233 236, 243, 250, 252 257, 735 742, 745, 746, 804, 805, 806, 816, 831, 750, 753, 2002, 2003, 2022	745, 746, 2004, 2005, 2006, 2007, 2010, 2016

Mini-WSB Inline; plain; 1,700 markers (5 mm)/reel; stretchable 5 5.2 mm		
Color	Item No.	Pack. Unit
○ white	2009-145	1

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## Marking Card; Self-Adhesive Marking Strips



• Strip length: 182 mm

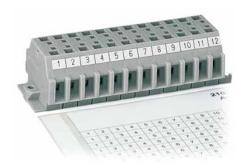
Marking strip; plain; as DIN A4 sheet		
	Item No.	Pack. Unit
Strip height: 2.3 mm; 100 self-adhesive strips per card	210-331	100
<ul> <li>Strip height: 3 mm; 80 self-adhesive strips per card</li> </ul>	210-332	100
O Strip height: 5 mm; 48 self-adhesive strips per card	210-334	100
Strip height: 6 mm; 40 self-adhesive strips per card	210-333	100
Strip height: 9 mm; 25 self-adhesive strips per card	210-335	100



- Horizontal markingStrip length: 182 mmStrip height: 6 mm
- Marking strip; as DIN A4 sheet; for 2-conductor terminal strips (260 Series) Pack. Unit ① 1...10 (120 x) 210-333/500-002 O 11 ... 20 (120 x) 210-333/500-003 100 O 21 ... 30 (120 x) 210-333/500-004 100 O 31 ... 40 (120 x) 210-333/500-005 O 41 ... 50 (120 x) 210-333/500-006 100 ○ 51 ... 60 (120 x) 210-333/500-007 100 O 61 ... 70 (120 x) 210-333/500-008 100 O 71 ... 80 (120 x) 210-333/500-009 100 O 81 ... 90 (120 x) 210-333/500-010 100 O 91 ... 100 (120 x) 210-333/500-011 100 O 1...50 (20 x) 210-333/500-021 100 O L1 (1440 x) 210-333/500-074 100 O L2 (1440 x) 210-333/500-075 100 O L3 (1440 x) 210-333/500-076 100 O N (1440 x) 210-333/500-077 100 O PE (1440 x) 210-333/500-078 100 O PEN (1440 x) 210-333/500-079 100 210-333/500-001 only grid spacing 100 Marking strip; for 4-conductor terminal strips (260 Series)

○ 110 (80 x)	210-333/800-002	100
○ 11 20 (80 x)	210-333/800-003	100
○ 21 30 (80 x)	210-333/800-004	100
○ 31 40 (80 x)	210-333/800-005	100
○ 41 50 (80 x)	210-333/800-006	100
○ 51 60 (80 x)	210-333/800-007	100
○ 61 70 (80 x)	210-333/800-008	100
○ 71 80 (80 x)	210-333/800-009	100
○ 81 90 (80 x)	210-333/800-010	100
○ 91 100 (80 x)	210-333/800-011	100
○ 1 40 (20 x)	210-333/800-209	100
○ L1 (880 x)	210-333/800-074	100
○ L2 (880 x)	210-333/800-075	100
○ L3 (880 x)	210-333/800-076	100
○ N (880 x)	210-333/800-077	100
○ PE (880 x)	210-333/800-078	100
○ PEN (880 x)	210-333/800-079	100
only grid spacing	210-333/800-001	100

## Marking Card; Self-Adhesive Marking Strips



- Horizontal markingStrip length: 182 mm
- Strip height: 6 mm

O N (720 x)

O PE (720 x)

O PEN (720 x)

only grid spacing

· Strip neight. o min		
Marking strip; as DIN A4 sheet; for 2-conductor terminal	strips (261 Series)	
Marking	Item No.	Pack. Unit
○ 112 (80 x)	210-333/600-103	100
○ 13 24 (80 x)	210-333/600-104	100
○ 25 36 (80 x)	210-333/600-105	100
○ 37 48 (80 x)	210-333/600-106	100
○ 41 50 (80 x)	210-333/600-006	100
○ 51 60 (80 x)	210-333/600-007	100
○ 61 70 (80 x)	210-333/600-008	100
○ 71 80 (80 x)	210-333/600-009	100
○ 81 90 (80 x)	210-333/600-010	100
○ 91 100 (80 x)	210-333/600-011	100
○ 150 (20 x)	210-333/600-021	100
○ L1 (1200 x)	210-333/600-074	100
○ L2 (1200 x)	210-333/600-075	100
○ L3 (1200 x)	210-333/600-076	100
○ N (1200 x)	210-333/600-077	100
○ PE (1200 x)	210-333/600-078	100
○ PEN (1200 x)	210-333/600-079	100
only grid spacing	210-333/600-001	100
Marking strip; for 4-conductor terminal strips (261 Series	s)	
○ 1 16 (40 x)	210-333/1000-202	100
○ 17 32 (40 x)	210-333/1000-204	100
○ 33 48 (40 x)	210-333/1000-206	100
○ 49 64 (40 x)	210-333/1000-110	100
○ 65 80 (40 x)	210-333/1000-111	100
○ 81 96 (40 x)	210-333/1000-112	100
○ 97 112 (40 x)	210-333/1000-113	100
○ 136 (20 x)	210-333/1000-208	100
○ L1 (720 x)	210-333/1000-074	100
○ L2 (720 x)	210-333/1000-075	100
○ L3 (720 x)	210-333/1000-076	100
a		



100

100

100

100

210-333/1000-077

210-333/1000-078

210-333/1000-079

210-333/1000-001

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# Marking Card; Self-Adhesive Marking Strips



Horizontal marking Strip length: 182 mm Strip height: 6 mm

Marking strip; as DIN A4 sheet; for 2-conductor terminal strips (262 Series)		
Marking	Item No.	Pack. Unit
○ 1 20 (40 x)	210-333/700-020	100
O 21 40 (40 x)	210-333/700-108	100
○ 41 60 (40 x)	210-333/700-109	100
○ 1 50 (20 x)	210-333/700-021	100
○ L1 (1040 x)	210-333/700-074	100
○ L2 (1040 x)	210-333/700-075	100
○ L3 (1040 x)	210-333/700-076	100
○ N (1040 x)	210-333/700-077	100
O PE (1040 x)	210-333/700-078	100
○ PEN (1040 x)	210-333/700-079	100
only grid spacing	210-333/700-001	100

Marking strip; for 4-conductor terminal strips (262 Series)		
○ 112 (40 x)	210-333/1200-103	100
○ 13 24 (40 x)	210-333/1200-104	100
○ 25 36 (40 x)	210-333/1200-105	100
○ 37 48 (40 x)	210-333/1200-106	100
○ 49 60 (40 x)	210-333/1200-107	100
○ 1 24 (20 x)	210-333/1200-203	100
○ L1 (600 x)	210-333/1200-074	100
○ L2 (600 x)	210-333/1200-075	100
○ L3 (600 x)	210-333/1200-076	100
○ N (600 x)	210-333/1200-077	100
○ PE (600 x)	210-333/1200-078	100
○ PEN (600 x)	210-333/1200-079	100
only grid spacing	210-333/1200-001	100

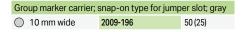


WAGO Marking Systems www.wago.com

# **Group Marker Carrier and Marker Carrier** TOPJOB® S



Group marker carrier; snap-on type for jumper slot; gray			
	Item No.	Pack. Unit	
∫ 5 mm wide	2009-191	50 (25)	
10 mm wide	2009-192	50 (25)	
15 mm wide	2009-193	50 (25)	





Marker carrier; for lateral marker slots; 5 mm wide			
Color	Item No.	Pack. Unit	
gray	2009-198	200 (25)	



2009-193 Group Marker Carrier (equipped with marking strips) for all 2001 to 2016 Series TOPJOB® S Rail-Mount Terminal Blocks.

Do not use on an end plate!



Marker carrier; for jumper slots of double-deck, dou-			
ble-disconnect terminal blocks (2002 Series); 5 mm wide			
Color	Item No.	Pack. Unit	
gray	2002-160	50 (25)	



Color	Item No.	Pack. Unit
gray	2002-161	100 (25)



Using marker carriers for marking strips (Item No. 2002-161) in jumper slots.



Using marker carriers for marking strips (Item No. 2009-198) in lateral marker slots.



# Multilevel Marker Carrier TOPJOB® S







Double-deck marker carrier; pivoting			
Color Item No. Pack. Uni			
gray	2002-121	50 (25)	



Triple-deck marker carrier; pivoting		
Color	Item No.	Pack. Unit
○ gray	2002-131	50 (25)



Double-deck terminal blocks:
A double-deck marker carrier (Item No. 2000-121) can be retrofitted to double-deck terminal blocks without a marker carrier.

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## Group Marker Carriers (Adjustable in Height) and Laterally Movable Marking System





Color	Item No.	Pack. Unit
gray	209-140	50 (25)

Group marker carrier; fits into jumper slot of rail-mount terminal blocks; for up to 2 WMB markers or 5 branch markers; 10 mm wide

gray

209-141

50 (25)

Group marker carrier; fits into jumper slot of rail-mount terminal blocks; for up to 1 WMB markers or 2 branch markers; 5 mm wide

gray 209-142 50 (25)



Group marker carrier; snaps onto screwless 249-116 and 249-117 End Stops (center or side mounting); 10 mm wide

Color	Item No.	Pack. Unit
white	209-112	50 (25)



Group marker carrier; for WMB and Mini-WSB marker slots; 10 mm wide

Color	Item No.	Pack. Unit
white	209-145	100 (25)

Accessories; item-specific			
Marker; from markers/she	white cardboardet	d; for self-ma	rking; 100
	white	209-113	1
Selbstklebeschild; zum Selbstbeschriften; 7 x 25 Stück/			
Bogen	white	210-345	1
	Write	210-043	'
Schutzstreif	en		
	transparent	209-114	50



Group marker carriers (Item No. 209-141 and 209-112)



Group marking on N-busbar carrier used as an end stop



Group marker carrier (Item No. 209-145)

### Group Marker Carriers (Adjustable in Height) and Laterally Movable Marking System



Height-adjustable group marker carrier; snaps onto end stops (Item No. 249-116 and Item No. 249-117), adjustable in height from 43.5 to 59.5 mm; for 1 marker or self-adhesive marker and transparent protection cover; 10 mm wide

Color	Item No.	Pack. Unit
gray	249-119	50 (25)

Height-adjustable group marker carrier; snaps onto end stops (Item No. 249-116 and Item No. 249-117), adjustable in height from 43.5 to 59.5 mm; for 2 WMB markers or 1 continuous strip; 10 mm wide

_		
gray	249-118	100 (25)

Height-adjustable group marker carrier; snaps onto end stops (Item No. 249-116 and Item No. 249-117), adjustable in height from 42.2 to 58.2 mm; with marking surface; 6 mm wide

○ white	249-120	50 (25)

Height-adjustable group marker carrier; snaps onto end stops (Item No. 249-116 and Item No. 249-117), adjustable in height from 45 to 61 mm; for 9 WMB markers or 1

marking strip TOPJOB® S; 12.2 mm wide			
00	irav	2009-163	50 (25)



Carrier-through element; height-adjustable; snaps onto end stops (Item No. 249-116 and Item No. 249-117)

Color	Item No.	Pack. Unit
gray	709-118	50 (25)

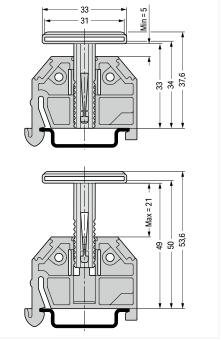
Carrier-end element; height-adjustable; snaps onto end stops (Item No. 249-116 and Item No. 249-117)

gray	709-119	50 (25)



Receptacles for:

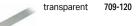
- 1 x marker
- 2 x WMB Multi marker or
- 1 x WFB continuous marking strip



Dimensions in mm



Marking strip receptacle; folded; 1 m long; 16 mm wide; 1.7 mm thick



Marking card; with 14 marking strips; DIN A4

709-193



Height adjustable group marker carrier (Item No. 2009-163) for marking strips (Item No. 2009-110)



This laterally movable marking system can be used as an additional group marker carrier or continuous marking strip carrier for terminal strips or single-deck rail-mount terminal blocks, e.g., for:

- DIN-35 rail-mount terminal strips (264 Series)
- Single-deck rail-mount terminal blocks (279 to 284 Series) with a maximum height of 49 mm (1.93 inch) from upper-edge of DIN-rail (please observe conductor radius)

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# **Group Marker Carrier and Double Marker Carrier**





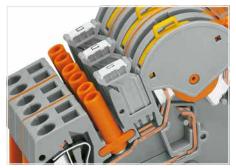
Group marker carrier; angled; e.g., for transformer terminal blocks (282 Series)

00101	itom ito.	i doit. Offic
gray	209-144	50 (25)

Group marker carrier; tor terminal blocks (28	0 . 0.	d 3-conduc-
gray	209-143	50 (25)



Double marker carrier; for center I/O module marking; fo WSB and WMB marking systems; 4 mm wide		
Color	Item No.	Pack. Unit
gray	209-128	200 (100)



This group marker carrier (209-144) makes it possible to mark subgroups in confined places. They can be snapped into unused jumper contact slots of the terminal block housing. Labeling is performed via WMB Multi markers.



Snapping a WMB marker strip into the marker slot of the  $\,$ double marker carrier.

## **Group Marker Carrier (Pivoting)**

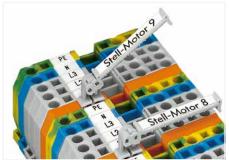


Pivoting group marker carrier		
Color	Item No.	Pack. Unit
gray	249-105	50 (25)

Zubehör	; artikelspezifiscl	า		
Marker; 4	x 30 markers/sh	eet		
	white	209-183	1	

transparent	209-184	50

Protective marker cover



This pivoting group marker carrier has been developed for group marking of rail-mount terminal blocks and incorporates many customer requirements.

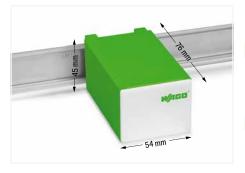
- Can be used in all multiprofile marker slots for rail-mount terminal bocks from 5 mm (0.197 inch) on or in spacer housings as shown above.
- Pivotable in seven different stable positions, providing the best visual angle in case of difficult mounting conditions

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## **Control Cabinet Outlet and Switch Cabinet Drawer** 709 Series







Technical Data		
Ratings per	DIN VDE 0620-1	
Voltage type	AC	
Rated voltage	250 V	
Rated surge voltage	2 kV	
Rated current	16 A	

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Actuation type	Type 2 (3.5 x 0.5) mm blade
Actuation direction	Operation parallel to conductor entry
Connectable conductor materials	Copper
Solid conductor	0.2 2.5 mm / 24 14 AWG
Stranded conductor	0.2 2.5 mm / 24 14 AWG
Fine-stranded conductor	0.2 2.5 mm / 24 14 AWG
Strip length	9 10 mm / 0.35 0.39 inch
Number of poles	3

Mechanical Data	
Mounting type	DIN-35 rail
Protection type	IP20
Potential marking	LPEN

Material Data	
Material group	1
Insulation material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper alloy
Contact plating	Sn

Environmental Requirements	
Continuous operating temperature from	-35 °C
Continuous operating temperature up to	85 °C

- 1 The outlets are available in three colors to identify different circuits:
  • 709-581 gray (standard)

  - 709-582 yellow (permanently energized)
    709-583 red (UPS)

Approvals and corresponding ratings, visit www.wago.com



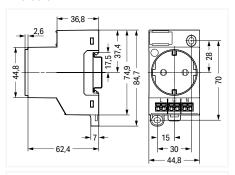
# **Control Cabinet Outlet and Switch Cabinet Drawer** 709 Series

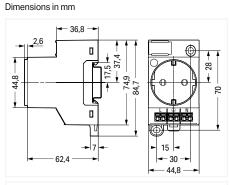


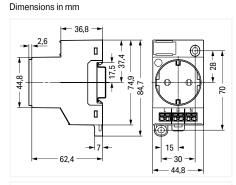


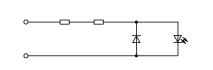


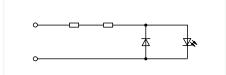
Dimensions in mm

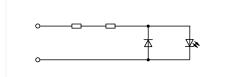












Control cabinet outlet; for DIN-35 rail and screw mounting; for plug Type F, CEE 7/4 (SCHUKO®); used in Germany, the Netherlands, Austria; with status LED; with Push-in CAGE CLAMP® double connection

 Color
 Item No.
 Pack. Unit

 ○ light gray
 709-581 1
 1

Control cabinet outlet; for DIN-35 rail and screw mounting; for plug Type F, CEE 7/4 (SCHUKO®); used in Germany, the Netherlands, Austria; with status LED; with Push-in CAGE CLAMP® double connection

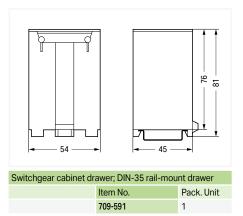
Color	Item No.	Pack. Unit
yellow	709-582 1	1

Control cabinet outlet; for DIN-35 rail and screw mounting; for plug Type F, CEE 7/4 (SCHUKO®); used in Germany, the Netherlands, Austria; with status LED; with Push-in CAGE CLAMP® double connection

Color	Item No.	Pack. Unit
red	709-583	1



### Dimensions in mm

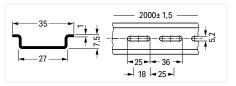


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## DIN-Rail; Rail End Cap; Angled Support Bracket and Collective Jumper Carrier



Dimensions in mm

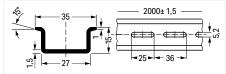


Steel DIN-rail;  $\rm I_N$  76 A (based on 1 m length); 35 x 7.5 mm; 1 mm thick; 2 m long; per EN 60715

	Item No.	Pack. Unit
unslotted	210-113	10 (1)



Dimensions in mm

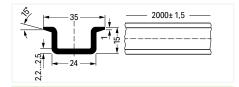


Steel DIN-rail;  $I_{N}$  125 A (based on 1 m length); 35 x 15 mm; 1.5 mm thick; 2 m long; similar to EN 60715

	Item No.	Pack. Unit
unslotted	210-114	10 (1)
slotted	210-197	10 (1)



Dimensions in mm



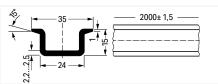
Steel DIN-rail;  $I_N$  125 A (based on 1 m length); 35 x 15 mm; 2.3 mm thick; 2 m long; per EN 60715

	Item No.	Pack. Unit
unslotted	210-118	10 (1)





Dimensions in mm

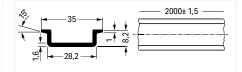


Copper DIN-rail;  $\rm I_N$  309 A (based on 1 m length); 35 x 15 mm; 2.3 mm thick; 2 m long; per EN 60715

	Item No.	Pack. Unit
unslotted	210-198	10 (1)



Dimensions in mm



Aluminum DIN-rail;  $\rm I_N$  76 A (based on 1 m length);  $\rm 35\,x\,8.2$  mm; 1.6 mm thick; 2 m long; similar to EN 60715

	Item No.	Pack. Unit
unslotted	210-196	20 (1)





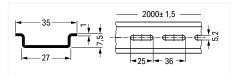
Rail end cap; for DIN-35 rail (7.5 mm high)

Color	Item No.	Pack. Unit
gray	209-109	50 (25)
gray	209-109	50 (25)

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#### Dimensions in mm

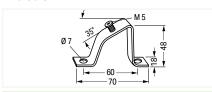


Steel DIN-rail;  $I_{\rm N}\,76$  A (based on 1 m length);  $35\,x\,7.5$  mm; 1 mm thick; 2 m long; per EN 60715

	Item No.	Pack. Unit
unslotted	210-505	1
slotted	210-504	1



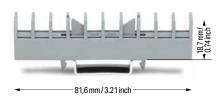
### Dimensions in mm



Angled support bracket; without screw

Item No.	Pack. Unit
210-148	10

Screw M5 x 8		
	210-149	100 (20)



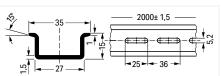
Collective jumper carrier; for DIN-35 rail; compatible with jumpers for transverse switching terminal block (282-811) and longitudinal switching disconnect terminal block (282-821)

The collective carrier can be snapped onto DIN-35 rails. It stores jumpers during maintenance.

Color	Item No.	Pack. Unit
gray	282-369	25



### Dimensions in mm

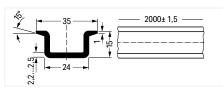


Steel DIN-rail;  $l_{\rm N}$  125 A (based on 1 m length); 35 x 15 mm; 1.5 mm thick; 2 m long; per EN 60715

	Item No.	Pack. Unit
unslotted	210-506	1
slotted	210-508	1



### Dimensions in mm



Carrier rail; plastic

Not suited for use with ground terminal blocks!

Item No.	Pack. Unit
210-509	10 (1)



Collective carrier for adjacent jumpers; for DIN-35 rail; for adjacent jumpers (279 to 284 Series); for banana plugs (215 Series)

The collective carrier can be snapped onto DIN-35 rails. It stores adjacent jumpers and banana plugs during maintenance.

Color	Item No.	Pack. Unit
gray	209-100	50 (25)

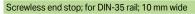
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# Screwless End Stop; for DIN-35 Rail 249 Series



← 44 mm / 1.73 inch ←

Screwless end stop; for DIN-35 rail; 6 mm wide			
Color Item No. Pack. Unit			
gray	249-116	100 (25)	



$\bigcirc$	gray	249-117	50 (25)



Simply snap on - that's it!



Simply snap on – that's it!



Screwless end stop; for DIN-35 rail; 14 mm wide		
Color	Item No.	Pack. Unit
O grav	240 107	10



Simply snap on - that's it!



Removing an end stop from the DIN-rail.

Snap on – that's it! Assembling the WAGO Screwless End Stop is as simple and quick as snapping a rail-mount terminal block onto the rail.

#### Tool free!

A tool-free design allows rail-mount terminal blocks to be safely and economically secured against any movement on all DIN-35 rails per DIN EN 60715 (35 x 7.5 mm;  $35 \times 15$  mm).

### Screwless!

The "secret" to a perfect fit lies in the two small clamping plates which keep the end stop in position, even if the rails are mounted vertically.

### Simply snap on - that's it!

In addition, costs are significantly reduced when using large numbers of end stops.

Additional benefit: Three marker slots for all WAGO Rail-Mount Terminal Block Marking Systems and one snap-in hole for WAGO's adjustable height group marker carriers offer individual marking options.

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# **Mounting Foot**



Mounting foot; for isolated DIN-35 rail mounting		
Color	Item No.	Pack. Unit
gray	209-106	25



Isolated mounting of a carrier rail in a distribution box for protection class II



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# Sealable, Transparent Covers for Rail-Mount Terminal Blocks 709 Series

## Description and Installation



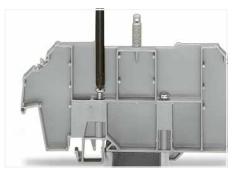
Snapping a cover carrier onto the DIN-rail.



Application example: Cover (type 1) without safety warning



Application example: Cover (type 1) with safety warning



Tightening both securing screw (left) and mounting screw (right).

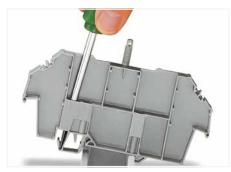


Application example: Cover (type 2) with safety warning



Securing screw – prevents lifting off from the rail.

Mounting screw – prevents the cover carrier from being moved on the rail.



Removing a cover carrier from the DIN-rail.



Inserting a marking strip into the cover.



Cover with lead seals: Using covers without lead seals, the thread dome-head can be broken off.



# **Sealable, Transparent Cover; for Rail-Mount Terminal Blocks** 709 Series



Cover; Type 1; for cover carrier (type 1); 1 m long		
Color	Item No.	Pack. Unit
transparent	709-153	10



Cover; Type 2; for cover carrier (type 2); 1 m long			
Color	Item No.	Pack. Unit	
transparent	709-154	10	



210-549

100 (25)





Cover carrier; Type 1; incl. mounting/securing screws and knurled nut; for rail-mount terminal blocks (279 to 282, 880 Series); for "Mini" rail-mount terminal blocks (264 Series); for sensor/actuator terminal blocks (270 Series)

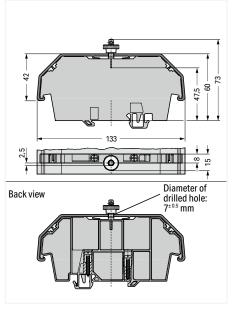
Color	Item No.	Pack. Unit
□ grav	709-167	10



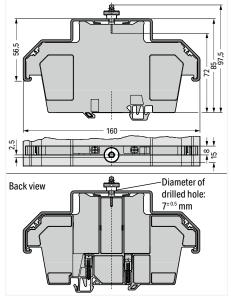
Cover carrier; Type 2; incl. mounting/securing screws and knurled nut; for rail-mount terminal blocks (283 to 285 Series); for double- and triple-deck terminal blocks (279 to 281 Series); for TOPJOB® rail-mount terminal blocks (780 to 785 and 775 Series); for sensor/actuator terminal blocks (280 Series); for disconnect/test terminal blocks for transformer circuits (282 Series)

Color	Item No.	Pack. Unit
gray	709-168	10

### Dimensions in mm



### Dimensions in mm



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Marking card; with 6 marking strips; for group marking or

Marking strip; plain; 11 mm wide; 50 m reel

709-183

210-549

200 (25)

100 (25)

# **Sealable, Transparent Cover; for Rail-Mount Terminal Blocks** 709 Series

Accessories

safety instructions

Spare knurled nut; for cover



709-156

			white	2009-110
			Spare mounting/secu	ring screw; for cover
				209-196
Cover; Type 3; f	or cover carrier (type 3	); 1 m long	11	
Color	Item No.	Pack. Unit		

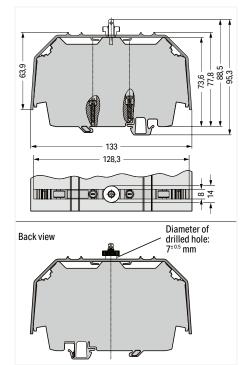


Cover carrier; Type 3; for rail-mount terminal blocks (2000 to 2016 Series, 2102 to 2116 Series, 2200 to 2216 Series); for transformer terminal blocks (2007 Series)

Color | Item No. | Pack. Unit | gray | 709-169 | 10

### Dimensions in mm

transparent





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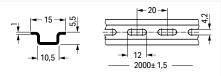
## DIN-Rail and End Stop; for DIN-15 Rail

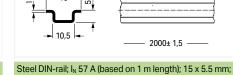






Dimensions in mm

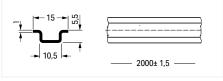




1 mm thick; 2 m long; per EN 60715

Dimensions in mm

unslotted



210-295

Pack. Unit

1

Screwless end stop; for DIN-15 rail; 6 mm wide; for WMB Color Item No. Pack. Unit 249-101 25 gray

# Steel DIN-rail; $\rm I_N$ 57 A (based on 1 m length); 15 x 5.5 mm; 1 mm thick; 2 m long; per EN 60715

	Item No.	Pack. Unit
slotted	210-111	10 (1)



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## **Operating Tool**



Operating tool with a partially insulated shaft; Type 1,  $(2.5 \times 0.4) \text{ mm}$  blade

 Item No.
 Pack. Unit

 210-719
 50 (1)

Operating tool with a partially insulated shaft; Type 2, (3.5 x 0.5) mm blade

210-720 50 (1)

Operating tool with a partially insulated shaft; Type 3, (5.5  $\times$  0.8) mm blade

210-721 25 (1)

Set of operating tools with a partially insulated shaft; Type 1, (2.5 x 0.4) mm blade; Type 2, (3.5 x 0.5) mm blade; Type 3, (5.5 x 0.8) mm blade

210-722



Operating tool with a partially insulated shaft; Type 1; (2.5 x 0.4) mm blade; short

Item No. Pack. Unit 210-647 50 (1)

Operating tool with a partially insulated shaft;  $(2.5 \times 0.4)$  mm blade; short; angled

**210-648** 50 (1)

Operating tool with a partially insulated shaft; (3.5 x 0.5) mm blade; short

210-657 50 (1)

Operating tool with a partially insulated shaft;  $(3.5 \times 0.5)$  mm blade; short; angled

210-658 50 (1)



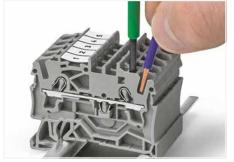
Operating tool; Blades: 3.5 mm and 2.5 mm; for installation terminal blocks (TOPJOB® S)  $\,$ 

 Item No.
 Pack. Unit

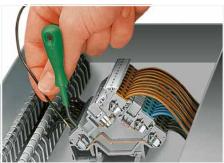
 2009-309
 50 (1)

Operating tool; Blades: 3.5 mm and 5.5 mm; for installation terminal blocks (TOPJOB® S)

2009-310 50 (1)



The blade of this operating tool with a partially insulated shaft is ideal for operating front-entry terminal blocks.



This operating tool with blade dimensions per DIN 5264 is ideal for front-entry sensor/actuator terminal blocks (280 Series).



Open the clamping unit using an operating tool.



Set of operating tools in a box (Item No. 210-722)

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## **Operating Tool**







Operating tool; insulated; for 279 Series		
	Item No.	Pack. Unit
1-way	209-129	100 (1)
2-way	279-432	100 (1)
3-way	279-433	100 (1)
10-way	279-440	30 (1)

Operating pliers; for si blocks (281, 282, 283		rminal
	Item No.	Pack. Uni
	210-141	1

T-wrench with a partially insulated shaft		
	Item No.	Pack. Unit
	285-172	1

Operating tool; insulated; for 264 Series (1- and 2-way only), 280, 281 Series (up to 3-way only)		
1-way	209-130	100 (1)
2-way	280-432	100 (1)
3-way	280-433	100 (1)
4-way	280-434	40 (1)
5-way	280-435	40 (1)
6-way	280-436	30 (1)
7-way	280-437	30 (1)
8-way	280-438	30 (1)
9-way	280-439	30 (1)
10-way	280-440	30 (1)

0 (1)	
0 (1)	
(1)	
(1)	
(1)	
(1)	
(1)	

blocks (279 and 280 S	eries)	
	210-143	1

Operating pliers; for side-entry rail-mount terminal

T-wrench with protection	a partially insulated shaft	t and anti-rotation
	285-173	1

Operating tool; insulated; for 281 Series 40 (1)



Commoning front-entry disconnect terminal blocks via comb-style jumper bar using a 10-pole operating tool.



When operating the handles beyond the locked position, the ratchet allows the tool to open and be removed from

The operating pliers are placed into the upper operating slot of the rail-mount terminal block and the clamp is hooked into the lateral operating slot. The contact is fully opened by pressing the handles together until they engage. This will allow both hands to be used for wiring the terminal blocks.



T-wrench with a partially insulated shaft and anti-rotation protection (Item No. 285-173)

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### Cable Knife



Cable knife; for Ø 8 ... 28 mm / 0.31 ... 1.10 inch; with a unique, changeable cable bracket system; including cable bracket

Cable bracket; for Ø 4 ... 16 mm / 0.16 ... 0.63 inch

Cable bracket; for Ø 8 ... 28 mm / 0.31 ... 1.10 inch

Cable bracket; for Ø 27 ... 35 mm / 1.06 ... 1.38 inch

Cable bracket; for Ø 35 ... 50 mm / 1.38 ... 1.97 inch

Cable bracket; for Ø 50 ... 70 mm / 1.97 ... 2.75 inch

Accessories
Spare inside blade

Item-Specific Accessories

Item No.	Pack. Unit
206-1403	1

206-1411

206-1412

206-1414

206-1415

206-1418



Cable knife set; for Ø 4 ... 70 mm / 0.16 ... 2.75 inch; including all cable brackets in a Sortimo® Box

Item No.	Pack. Unit
206-1400	1





To replace the cable bracket, use the new bracket as an operating tool and pull it upwards.



The cutting depth of the hook blade can be adjusted with the slider.



The cutting depth of the inner knife can be adjusted with the screw.





206-1419

Strip large cross sections with the hook blade.

Spare hook blade



Release the fuse before using the hook blade.

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## **Cable Stripper**







n-socket cable stripper; for Ø 8 13 mm /	5/16
1/2 inch	

Item No.	Pack. Unit
206-1441	1

Universal cable stripp	er; for Ø 8 13 mm / 5	5/16
	Item No.	Pack. U

Data cable stripper; fo	Data cable stripper; for Ø 4.5 10 mm / 3/16 3/8 inch					
	Item No.	Pack. Unit				
	206-1451	1				



#### Product features:

- Extra long design and improved force transmission sim-
- plifies stripping in deep device connection sockets

   Special four-blade design for an even more precise round cut
- No cutting depth adjustment required
  TiN-coated blades, TÜV/GS tested
  Ø 8 ... 13 mm / 5/16 ... 1/2 inch

- Strips all standard round cables, including NYM 3 x 1.5 mm<sup>2</sup>/16 AWG ... 5 x 2.5 mm<sup>2</sup>/14 AWG



Sheath stripping: longitudinal cut

### Product features:

- Secure grip achieved with soft padding for non-slip
- grips

  Technically improved functionality

  New locking mechanism prevents the unwanted opening of the tool
- Absolutely straightforward, quick and easy longitudinal cuts – with innovative internal cable duct
- Redesigned blade layout and intake to stop cable waste from jamming the tool
- Durable and ergonomically designed pocket clip
  Ø 8 ... 13 mm / 5/16 ... 1/2 inch



#### Product features:

- Strip outer insulation and foil sheathing with one tool
- Ideal for stripping PVC-insulated data cables with thin insulation (e.g., Cat. 5, Cat. 6, Cat. 7, twisted pair cable)
- TiN-coated blades
- Ø 4.5 ... 10 mm / 3/16 ... 3/8 inch



Stripping a cable sheath.





Built-in handy knife



Stripping a conductor insulation.



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## **Cable Stripper**



Stripping pliers; for sensor cables; for Ø 3.2 ... 4.4 mm / 0.13 ... 0.17 inch

 Item No.
 Pack. Unit

 206-1481
 1

Item-Specific Accessories

Replacement blade set; for Ø 3.2 ... 4.4 mm / 0.13 ... 0.17 inch

206-1491

1



Stripping pliers; for control cables; for Ø 4.4 ... 7 mm / 0.17 ... 0.27 inch

Item No.	Pack. Unit
206-1482	1

Item-Specific Accessories

Replacement blade set; for Ø 4.4 ... 7 mm / 0.17 ... 0.27 inch







The stripping pliers for sensor cables have a blade geometry specially designed for sensor cables with a smaller cross section and a working range from Ø 3.2 mm / 0.13 inch (for stranded cables and round cables with Ø 3.2 mm ... 4.4 mm / 0.13 ... 0.17 inch).

The stripping pliers for control cables are designed for stronger cables from Ø 4.4 mm / 0.17 inch (for stranded cables and round cables with Ø 4.4 mm ... 7 mm / 0.17 ... 0.27 inch).

These stripping pliers quickly and safely strip cables for connecting, e.g., sensor/actuator distribution boxes, bus couplers and pluggable connectors.

#### Suitable for:

- Halogen-free PUR sensor/actuator cables
- Highly flexible TPE-U cables
- Control cables
- PUR cables
- PUR/PVC cables
- PVC cables
- Multi-core cables
- Shielded and unshielded cables







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## Wire Stripper



Wire stripper "Quickstrip Vario"; 0.03 ... 16 mm² / 34 ...

o Awo, with wife cutter					
	Item No.	Pack. Unit			
	206-1125	1			

### Accessories

Blade set; Standard; 0.03 ... 16 mm² / 34 ... 6 AWG

206-1126

Blade set; V-blade; 0.14 ... 4 mm<sup>2</sup> / 24 ... 12 AWG 206-1127

Blade set; Oval blade; 10 ... 16 mm<sup>2</sup> / 8 ... 6 AWG

Spare stripping stop

Spare cut protector



206-1131

206-1132

206-1128

206-1129

Spare clamping jaws





Cutting a conductor.



Partially stripping a conductor.

#### Wire Stripper:

- Automatically adjust to conductor size
- Stripping blades cause no damage to conductor strands
   Gripping pressure of jaws adjusts automatically to conductor insulation diameter
- Clamping jaws and stripping blades automatically open once the stripping process is completed – no splaying of the conductor strands
- Exact strip length may be set by sliding black setting stop
- Stripping blades can be replaced
- Self-sharpening, fully protected cutter (replaceable)
- Entire body made of glass-fiber-reinforced polyamide
- Cutting capacity of the wire cutter of fine-stranded conductors up to 16 mm<sup>2</sup> (6 AWG)

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### **Crimping Tool**



Crimping tool "Variocrimp 4"; for insulated and uninsulated ferrules; Crimping range: 0.25 ... 4 mm<sup>2</sup> (24 ... 12 AWG)

Item No.	Pack. Unit
206-1204	1

Item-Specific Accessories
Spring clamp; large
206-1205

Spring clamp; small

206-1206 1



Crimping tool "Variocrimp 16"; for insulated and uninsulated ferrules; Crimping range: 6 mm² (10 AWG), 10 mm² (8 AWG) and 16 mm² (6 AWG)

Item No.	Pack. Unit
206-1216	1

Item-Specific Accessories			
Spring clamp; small			
<b>a</b>	206-1206	1	

#### Application notes:

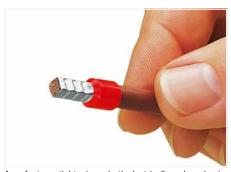
- The built-in crimping pressure control of "Variocrimp 4" automatically adjusts the crimping force to the conductor cross section. Select the wire gauge on "Variocrimp 16" before crimping.
- Only one crimping station is needed to handle the specified conductor range.
- Uniform, compact crimping on all four sides for high conductor retention.
- No need to center the ferrules into the terminal blocks.
- Crimping can be performed from either side (for left- or right-handed users).
- Built-in ratchet mechanism ensures gas-tight crimp connection.
- Crimping tools open automatically after crimping operation is complete.
- · Ergonomically designed handles.



Insert the ferruled conductor into the crimping station.



Squeeze handles until ratchet mechanism is released.



A perfect gas-tight crimp – both electrically and mechanically reliable



Only for "Variocrimp 16":
Adjust conductor cross section with crimping tool in open

### What is a "gas-tight" connection?

In a gas-tight connection, the conductor and the ferrule are compressed, eliminating all spaces. Under normal atmospheric conditions, neither a liquid nor gaseous medium can penetrate the crimped connection. Oxidation between crimped single conductors is prevented, virtually eliminating the possibility of any increase in the crimped connection's resistance. In some exceptional cases, minute, isolated spaces may be present. However, these instances can be considered as closed off due to the twisted conductor.

Inadequate crimping can allow the conductor to be pulled out of the connection. Hollow spaces also remain, permitting oxidation formation and an increase in contact resistance

Elevated resistance is detrimental for both signal transmission (signal flow is damped) and power transmission, resulting in power loss and contact heating (risk of fire). Crimping tools with built-in ratchets are recommended (e.g., WAGO Crimping Tools). These tools open automatically after the crimping operation is complete. Space-saving crimping from all four sides is ideal for spring clamp termination.

Ferruled conductor cross sections specified for WAGO products are based on this crimping method.

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### **Crimping Tool**



Crimping tool 25; for insulated and uninsulated ferrules; crimping range: 10  $\rm mm^2$  (8 AWG), 16  $\rm mm^2$  (6 AWG) and 25  $\rm mm^2$  (4 AWG)

Item No.	Pack. Unit
206-1225	1



Crimping tool 50; for insulated and uninsulated ferrules; crimping range: 35 mm² (2 AWG) and 50 mm² (1/0 AWG)

Item No.	Pack. Unit
206-1250	1



Insert the ferruled conductor into the crimping station.



Squeeze handles until ratchet mechanism is released.

#### Application notes:

- Improved crimping for higher conductor retention
- Crimping can be performed from either side (for left- or right-handed users).
- Built-in ratchet mechanism ensures gas-tight crimp connection.
- Crimping tools open automatically after crimping operation is complete.
- Ergonomically designed handles.

#### What is a "gas-tight" connection?

In a gas-tight connection, the conductor and the ferrule are compressed, eliminating all spaces. Under normal atmospheric conditions, neither a liquid nor gaseous medium can penetrate the crimped connection. Oxidation between crimped single conductors is prevented, virtually eliminating the possibility of any increase in the crimped connection's resistance. In some exceptional cases, minute, isolated spaces may be present. However, these instances can be considered as closed off due to the twisted conductor.

Inadequate crimping can allow the conductor to be pulled out of the connection. Hollow spaces also remain, permitting oxidation formation and an increase in contact resistance.

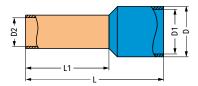
Elevated resistance is detrimental for both signal transmission (signal flow is damped) and power transmission, resulting in power loss and contact heating (risk of fire). Crimping tools with built-in ratchets are recommended (e.g., WAGO Crimping Tools). These tools open automatically after the crimping operation is complete. Space-saving crimping from all four sides is ideal for spring clamp termination.

Ferruled conductor cross sections specified for WAGO products are based on this crimping method.

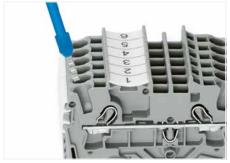
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## Insulated ferrule; for Rail-Mount Terminal Block TOPJOB® S





Ferrule; insulated; electr	o-tin-plated; electro	olytic copper; gastight crimpe	d; per DIN 4	6288 (Part 4/0	9.09)				
Conductor Cross Section	Color	Strip Length	L	L1	D	D 1	D 2	Item No.	Pack. Unit
0.5 mm <sup>2</sup> / 20 AWG	O white	12 mm / 0.47 inch	16	10	3.1	2.6	1	216-241	1000
0.75 mm <sup>2</sup> / 18 AWG	gray	12 mm / 0.47 inch	16	10	3.3	2.8	1.2	216-242	1000
0.75 mm <sup>2</sup> / 18 AWG	gray	14 mm / 0.55 inch	18	12	3.3	2.8	1.2	216-262	1000
1 mm² / 18 AWG	red	12 mm / 0.47 inch	16	10	3.5	3	1.4	216-243	1000
1 mm² / 18 AWG	red	14 mm / 0.55 inch	18	12	3.5	3	1.4	216-263	1000
1.5 mm <sup>2</sup> / 16 AWG	<ul><li>black</li></ul>	12 mm / 0.47 inch	16	10	4	3.5	1.7	216-244	1000
1.5 mm <sup>2</sup> / 16 AWG	<ul><li>black</li></ul>	14 mm / 0.55 inch	18	12	4	3.5	1.7	216-264	1000
1.5 mm <sup>2</sup> / 16 AWG	<ul><li>black</li></ul>	20 mm / 0.79 inch	24	18	4	3.5	1.7	216-284	500
2.5 mm <sup>2</sup> / 14 AWG	blue	12 mm / 0.47 inch	17	10	4.7	4.2	2.2	216-246	1000
2.5 mm <sup>2</sup> / 14 AWG	blue	14 mm / 0.55 inch	19	12	4.7	4.2	2.2	216-266	1000
2.5 mm <sup>2</sup> / 14 AWG	blue	20 mm / 0.79 inch	25	18	4.7	4.2	2.2	216-286	500
4 mm² / 12 AWG	gray	14 mm / 0.55 inch	20	12	5.4	4.8	2.8	216-267	500
4 mm² / 12 AWG	gray	20 mm / 0.79 inch	26	18	5.4	4.8	2.8	216-287	100
6 mm² / 10 AWG	yellow	14 mm / 0.55 inch	20	12	6.9	6.3	3.5	216-208	100
6 mm <sup>2</sup> / 10 AWG	yellow	20 mm / 0.79 inch	26	18	6.9	6.3	3.5	216-288	100
10 mm² / 8 AWG	red	20 mm / 0.79 inch	28	18	8.4	7.6	4.5	216-289	100
16 mm² / 6 AWG	blue	23 mm / 0.91 inch	28	18	9.6	8.8	5.8	216-210	100

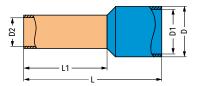


Fine-stranded conductors with ferrules from at least two sizes below the rated cross section up to the rated cross section can also be simply pushed in – without tools.

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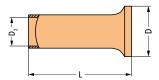
### Insulated and Uninsulated Ferrules; for Chassis-Mount Terminal Strip





Ferrule; insulated; electro-tin-plated; electrolytic copper; gastight crimped; per DIN 46288 (Part 4/09.09)									
Conductor Cross Section	Color	Strip Length	L	L1	D	D1	D 2	Item No.	Pack. Unit
0.5 mm <sup>2</sup> / 20 AWG	O white	12 mm / 0.47 inch	16	10	3.1	2.6	1	216-241	1000
0.75 mm <sup>2</sup> / 18 AWG	gray	12 mm / 0.47 inch	16	10	3.3	2.8	1.2	216-242	1000
1 mm <sup>2</sup> / 18 AWG	red	12 mm / 0.47 inch	16	10	3.5	3	1.4	216-243	1000
1.5 mm² / 16 AWG	<ul><li>black</li></ul>	12 mm / 0.47 inch	16	10	4	3.5	1.7	216-244	1000



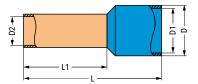


Ferrule; uninsulated; electro-tin-plated; electrolytic copper; gastight crimped; per DIN 46288 (Part 4/09.09)						
Conductor Cross Section	Strip Length	L	D	D 2	Item No.	Pack. Unit
0.5 mm <sup>2</sup> / 20 AWG	10 mm / 0.39 inch	10	2.1	1	216-141	5000 (1000)
0.75 mm <sup>2</sup> / 18 AWG	10 mm / 0.39 inch	10	2.3	1.2	216-142	5000 (1000)
1 mm <sup>2</sup> / 18 AWG	10 mm / 0.39 inch	10	2.5	1.4	216-143	5000 (1000)
1.5 mm <sup>2</sup> / 16 AWG	10 mm / 0.39 inch	10	2.8	1.7	216-144	5000 (1000)

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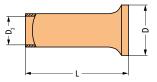
### **Insulated and Uninsulated Ferrules**





Ferrule; insulated; electronic	o-tin-plated; electrolytic	copper; gastight crimpe	ed; per DIN 4	6288 (Part 4/0	9.09)				
Conductor Cross Section	Color	Strip Length	L	L1	D	D1	D 2	Item No.	Pack. Unit
0.25 mm <sup>2</sup> / 24 AWG	yellow	7 mm / 0.28 inch	10	6	2.3	1.8	0.85	216-321	1000
0.25 mm <sup>2</sup> / 24 AWG	yellow	9 mm / 0.35 inch	12	8	2.3	1.8	0.85	216-301	1000
0.34 mm <sup>2</sup> / 22 AWG	light turquoise	7 mm / 0.28 inch	10	6	2.5	2	0.85	216-322	1000
0.34 mm <sup>2</sup> / 22 AWG	light turquoise	9 mm / 0.35 inch	12	8	2.5	2	0.85	216-302	1000
0.5 mm <sup>2</sup> / 20 AWG	O white	7 mm / 0.28 inch	12	6	3.1	2.6	1	216-221	1000
0.5 mm <sup>2</sup> / 20 AWG	O white	9 mm / 0.35 inch	14	8	3.1	2.6	1	216-201	1000
0.75 mm <sup>2</sup> / 18 AWG	gray	8 mm / 0.31 inch	12	6	3.3	2.8	1.2	216-222	1000
0.75 mm <sup>2</sup> / 18 AWG	gray	10 mm / 0.39 inch	14	8	3.3	2.8	1.2	216-202	1000
1 mm <sup>2</sup> / 18 AWG	red	8 mm / 0.31 inch	12	6	3.5	3	1.4	216-223	1000
1 mm² / 18 AWG	red	10 mm / 0.39 inch	14	8	3.5	3	1.4	216-203	1000
1.5 mm <sup>2</sup> / 16 AWG	<ul><li>black</li></ul>	8 mm / 0.31 inch	12	6	4	3.5	1.7	216-224	1000
1.5 mm <sup>2</sup> / 16 AWG	<ul><li>black</li></ul>	10 mm / 0.39 inch	14	8	4	3.5	1.7	216-204	1000
2.08 mm <sup>2</sup> / 14 AWG	yellow	10 mm / 0.39 inch	15	8	4.8	4.2	2.05	216-205	1000
2.5 mm <sup>2</sup> / 14 AWG	blue	10 mm / 0.39 inch	15	8	4.7	4.2	2.2	216-206	1000
4 mm <sup>2</sup> / 12 AWG	gray	12 mm / 0.47 inch	18	10	5.4	4.8	2.8	216-207	500
6 mm <sup>2</sup> / 10 AWG	yellow	14 mm / 0.55 inch	20	12	6.9	6.3	3.5	216-208	100
10 mm² / 8 AWG	red	16 mm / 0.63 inch	22	12	8.4	7.6	4.6	216-209	100
16 mm² / 6 AWG	blue	23 mm / 0.91 inch	28	18	9.6	8.8	5.8	216-210	100





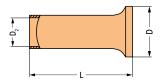
Conductor Cross Section	Strip Length	L	D	D 2	Item No.	Pack. Unit
	5 (00: 1	_	4.7	0.75	040.454	4000
0.25 mm <sup>2</sup> / 24 AWG	5 mm / 0.2 inch	5	1.7	0.75	216-151	1000
0.25 mm <sup>2</sup> / 24 AWG	7 mm / 0.28 inch	7	1.7	0.75	216-131	1000
0.34 mm² / 22 AWG	5 mm / 0.2 inch	5	1.8	0.85	216-152	1000
0.34 mm <sup>2</sup> / 22 AWG	7 mm / 0.28 inch	7	1.8	0.85	216-132	1000
0.5 mm² / 20 AWG	6 mm / 0.24 inch	6	2.1	1	216-121	1000
0.5 mm² / 20 AWG	8 mm / 0.31 inch	8	2.1	1	216-101	1000
0.75 mm² / 18 AWG	6 mm / 0.24 inch	6	2.3	1.2	216-122	1000
0.75 mm² / 18 AWG	8 mm / 0.31 inch	8	2.3	1.2	216-102	1000
1 mm² / 18 AWG	6 mm / 0.24 inch	6	2.5	1.4	216-123	1000
1 mm² / 18 AWG	8 mm / 0.31 inch	8	2.5	1.4	216-103	1000
1.5 mm² / 16 AWG	6 mm / 0.24 inch	6	2.8	1.7	216-124	1000
1.5 mm² / 16 AWG	8 mm / 0.31 inch	8	2.8	1.7	216-104	1000
2.5 mm² / 14 AWG	10 mm / 0.39 inch	10	3.4	2.2	216-106	1000
4 mm² / 12 AWG	10 mm / 0.39 inch	10	4	2.8	216-107	1000
6 mm² / 10 AWG	12 mm / 0.47 inch	12	4.7	3.5	216-108	500
10 mm² / 8 AWG	12 mm / 0.47 inch	12	5.8	4.5	216-109	500
16 mm² / 6 AWG	15 mm / 0.59 inch	15	7.5	5.8	216-110	500



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### **Uninsulated Ferrule**





Ferrule; uninsulated; elect	ro-tin-plated; electrolytic cop	oper; gastight crimped	l; per DIN 46288 (Part 4/09.09)			
Conductor Cross Section	Strip Length	L	D	D 2	Item No.	Pack. Unit
25 mm² / 4 AWG	25 mm / 0.98 inch	25	9.5	7.3	216-413	50
35 mm² / 2 AWG	25 mm / 0.98 inch	25	11	8.3	216-414	50
35 mm² / 2 AWG	30 mm / 1.18 inch	30	11	8.3	216-424	50
50 mm² / 1/0 AWG	30 mm / 1.18 inch	30	13	10.3	216-425	50
50 mm² / 1/0 AWG	35 mm / 1.38 inch	35	13	10.3	216-435	50



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### Cable Cutter



Cable cutter; for copper and aluminum cables up to 35 mm² (2 AWG)				
	Item No.	Pack. Unit		
	206-118	10 (1)		



Cutting a cable.

#### **Test and Measurement Devices** 206 Series







Testboy; with integrated flashlight, non-cont	act voltage
tactor	

Item No.	Pack. Unit
206-804	6 (1)

Spare test probes; 4 mm Ø (2 pieces)		
Item	No.	Pack. Unit
206-8	808	1

WAGO Test Probes; 2 mm Ø; 1000 V; CAT IV; 10 A				
	Item No.	Pack. Unit		
	206-912	1		



A device that will reliably detect AC voltage in cables, sockets, fuses, switches, outlets and other installations. Testboy can detect the following:

• Live conductors

- Cable breaksBlown fuses (in cartridges or holders)
- Defective switches
  Defective lamps in strings of lights



#### Profi-LED+:

- Improved socket contact via 4 mm Ø test probes
- Removable test probes for small test ports (suitable for all WAGO Terminal Blocks)

## Banana Plug (Only for Safety Extra-Low Voltage) 215 Series

Technical Data

0.08 ... 2.5 mm² 28 ... 14 AWG
max. 42 V

Test current: 20 A

Measuring range category: CAT I

9 ... 11 mm / 0.35 ... 0.43 inch





Conductor termination: Press button fully, insert stripped conductor into square entry and release.

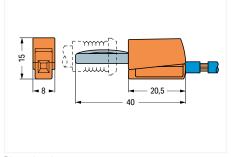


Testing via banana plug. Picture shows a test plug adapter (Item No. 209-170).

Banana plug; for 4 mm socket diameter; color mixed; 10 x orange, white, black, blue, yellow			
	Item No.	Pack. Unit	
	215-111	50	

#### Banana plug; single





Dimensions in mm

# **Test Plug** 210 Series



Test plug; with 500 mm cable; 2 mm Ø; max. 42 V			
Color	Item No.	Pack. Unit	
red	210-136	50 (1)	



Testing with a 2 mm  $\emptyset$  test plug (max. 42 V).

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## "Alu-Plus" Contact Paste Terminating Aluminum Conductors



Syringe; contains 20 ml "Alu-Plus" Contact Paste							
	Item No.	Pack. Unit					
	249-130	20 (5)					



WAGO Lighting Connectors
Push nozzle of the "Alu-Plus" syringe first into the circular entry and then into the square conductor entry hole of the WAGO Lighting Connector.



Press plunger down until the "Alu-Plus" has filled both entry holes.

Note: Not suitable for higher temperature applications!

#### **Terminating Aluminum Conductors**

WAGO spring clamp terminal blocks are suitable for solid aluminum conductors ① up to 4 mm²/12 AWG if WAGO "Alu-Plus" Contact Paste is used for termination.

"Alu-Plus" Contact Paste Advantages:

- Automatically destroys the oxide film during clamping.
- Prevents fresh oxidation at the clamping point.
- Prevents electrolytic corrosion between aluminum and copper conductors (in the same terminal block).
- Provides long-term protection against corrosion.

For spring clamp connections with PUSH WIRE® connection technology, WAGO recommends that the aluminum conductor first be cleaned and then immediately inserted into the clamping unit filled with "Alu-Plus" contact paste

Using terminal blocks with CAGE CLAMP® Spring Pressure Connection Technology, aluminum conductors must first be cleaned with a blade and then immediately be inserted into the clamping units filled with "Alu-Plus" Contact Paste.

It is also possible to apply WAGO "Alu-Plus" additionally on the whole surface of the aluminum conductor before termination.

Please note that the nominal currents must be adapted to the reduced conductivity of the aluminum conductors:

 $2.5 \text{ mm}^2 (14 \text{ AWG}) = 16 \text{ A}$  $4 \text{ mm}^2 (12 \text{ AWG}) = 22 \text{ A}$ 



WAGO Rail-Mount Terminal Blocks (up to 4 mm²/12 AWG) For each conductor entry: Insert nozzle of the "Alu-Plus" syringe in every open conductor entry hole (one after the other)



Press plunger down until "Alu-Plus" has filled all conductor entry holes.

WAGO "Alu-Plus" in the syringe offers a higher degree of reliability and cleanliness when terminating solid aluminum conductors. Filling is quickly performed on selected WAGO connectors and terminal blocks (see pictures).

Aluminum conductors per IEC 61545 standard, Class B, "Alloy 1370" with 90 ... 180 N/mm² tensile strength and 1... 4% elongation
 Class and the standard strength 1... 40/

Standard values: 90 ... 180 MPa tensile strength, 1 ... 4% elongation (per EN 615.4.1)





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2206-1631/1000-859	120	2222-1202	212	2252-324	294		
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#### **Success for Generations: Environmental Protection at WAGO**



At WAGO, we see environmental protection not only as compliance with environmental protection requirements.

As a growing company, our commitment to the environment drives our efforts to deliver new ideas, new concepts and new technologies along the product lifecycle. Here our employees and business partners support us.

#### **Corporate Environmental Protection**

Business growth also leads to higher consumption of resources. We have realized that the economic success of a company also depends on the achievement of environmental goals.

As a manufacturing company, we therefore support developments that make a contribution to environmental protection. In doing so, we always pursue individual material flows along the value chain, because we see resources, product design, production and consumption as a whole.

With our environmental management system certified in accordance with DIN EN ISO 14001, we ensure that the required national and international requirements are complied with in all areas of the company and that the concept of environmental protection is practiced in all corporate processes. In addition, WAGO is pursuing further efforts in the field of environmental protection that go far beyond the requirements of ISO.

Some examples include the recycling of plastics, resource savings on product and packaging materials, the use of recycled paper throughout the company, the introduction of e-filling stations and the use of waste heat from production processes.

#### **Product-Related Environmental Protection**

Product-related environmental protection is an important part of sustainable environmental management at WAGO. Ensuring compliance with substance bans / restrictions worldwide, such as: As REACH, RoHS has a high priority.

#### RoHS - Restriction of the Use of Certain Hazardous Substances

It is an EC directive that regulates the use of certain hazardous substances in electrical and electronic equipment. In addition to reducing the harmful effects on humans and the environment, legislation aims to improve recycling possibilities. WAGO closely monitors the development regarding RoHS and reacts promptly to specifications accordingly. For more information about RoHS please contact us via <a href="mailto:ehs-product-compliance@wago.com">ehs-product-compliance@wago.com</a>.





#### Success for Generations: Environmental Protection at WAGO

#### REACH - Registration, Evaluation and Authorisation of Chemicals

On 01.06.2007 the regulation (EC) no. 1907/2006 (REACH regulation) came into force and since then forms a valid legal basis for all EU member states. To protect human health and the environment, this EU Chemicals Regulation aims to classify and identify all chemicals, including their effects.

The REACH Regulation creates specific obligations for each actor in the supply chain. The products manufactured by WAGO are to be designated as products in the sense of the regulation. Since products are not subject to registration, WAGO usually assumes the role of the downstream user in the supply chain. WAGO therefore has an obligation to provide information along the supply chain in accordance with REACH Article 33. WAGO is naturally aware of this obligation.



For more information about our reporting requirements according to REACH Article 33 please visit our website "REACH SVHC Declaration" via <a href="https://www.wago.com/svhc">www.wago.com/svhc</a>

#### **BOMcheck**

European legislation such as REACH or RoHS requires the provision of information on restricted ingredients in products. This information must be shared by manufacturers and suppliers in the supply chain. WAGO meets this challenge in product-related environmental protection successfully and efficiently with BOMcheck.

BOMcheck is a centralized database for the declaration of ingredients. It is a compliance tool specifically designed to enable manufacturers and suppliers to produce their substance declarations under REACH, RoHS, and other restrictions on ingredients in an efficient and structured manner. This Internet database system increases data quality in the area of product-related environmental protection.

Further information on BOMcheck can be found at the following link: http://www.bomcheck.net

#### WEEE - Waste of Electrical and Electronic Equipment

The WEEE Directive 2012/19/EU regulates the take-back and recycling of electrical and electronic equipment. Manufacturers and importers of electrical and electronic equipment are obliged to register as a `WEEE producer´ and to comply with the reporting and take-back obligations. As a matter of course, we have taken compliance with legal WEEE requirements very seriously all the time - in our own interest as well as in the well-understood interest of our customers.

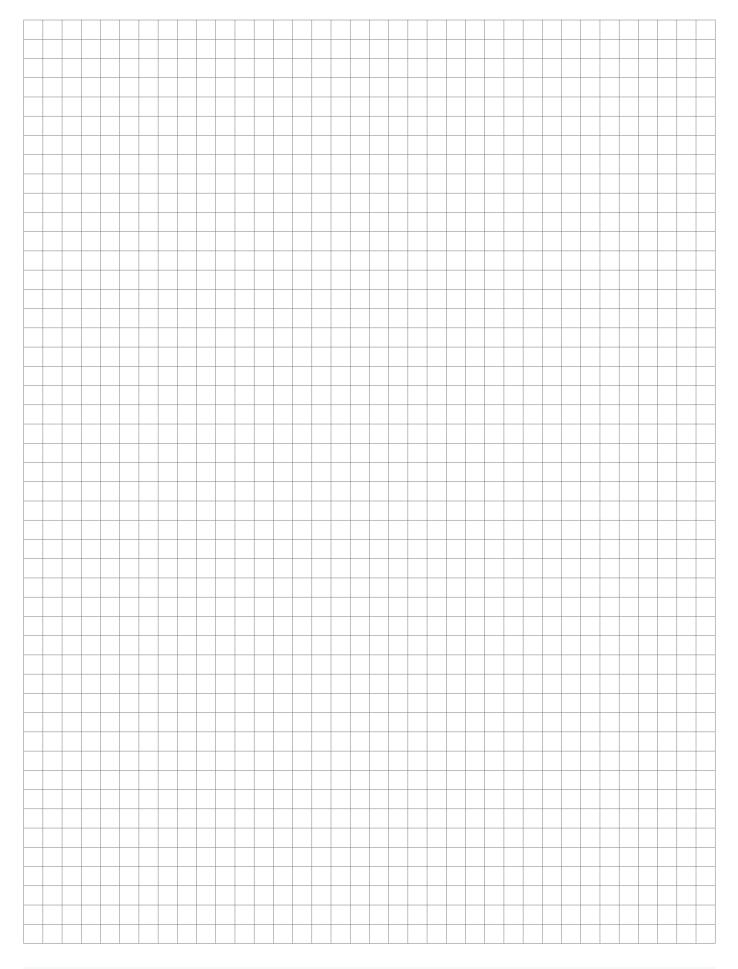
Only some of our products fall within the scope of the WEEE Directive and the Member State's implementation laws. These products are WEEE-compliant marked by us, as far as such a marking is legally required (which is not required for the B2B area Europe-wide). For more information about WEEE please contact us via <a href="mailto:ehs-product-compliance@wago.com">ehs-product-compliance@wago.com</a>.

#### Less is More: Our Packaging

Recycling is the basis for choosing our packaging materials. All packaging used by WAGO can be recycled in the economic cycle without further pretreatment. In addition to the aspect of recycling, emphasis is placed on resource conservation. For this reason, our cardboard boxes consist of 80% recycled paper and are marked with the Resy symbol. The Resy symbol guarantees compliance with the Packaging Ordinance for transport packaging. The labeling is partly done by perforation. This process enables the colorless printing of WAGO cardboard boxes. This avoids unnecessary environmental pollution.

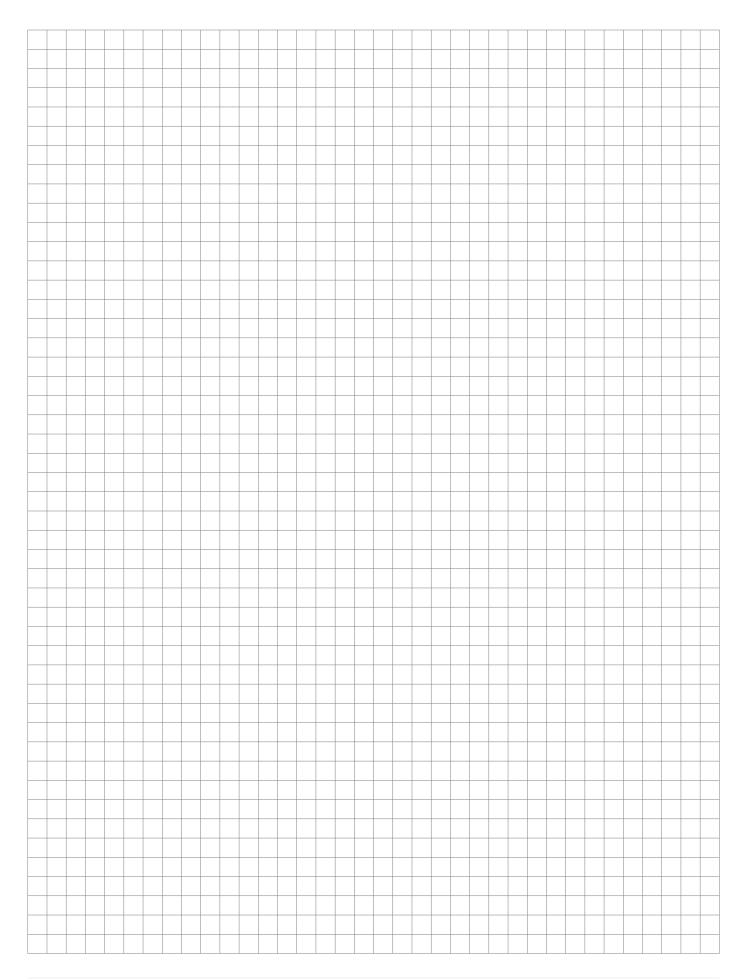


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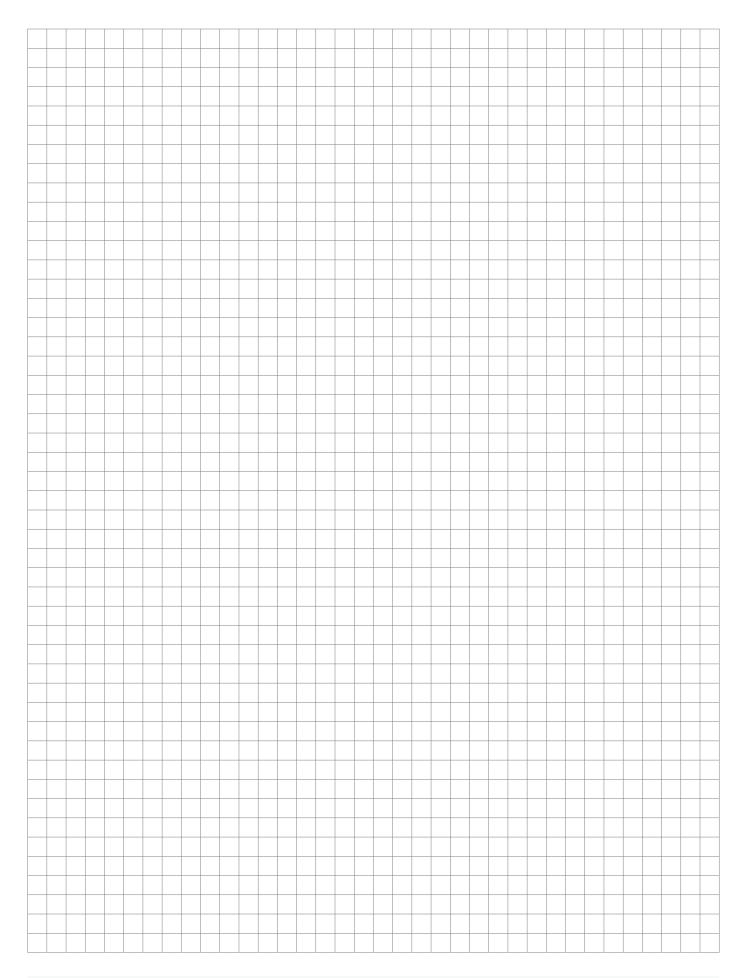


### Notes





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