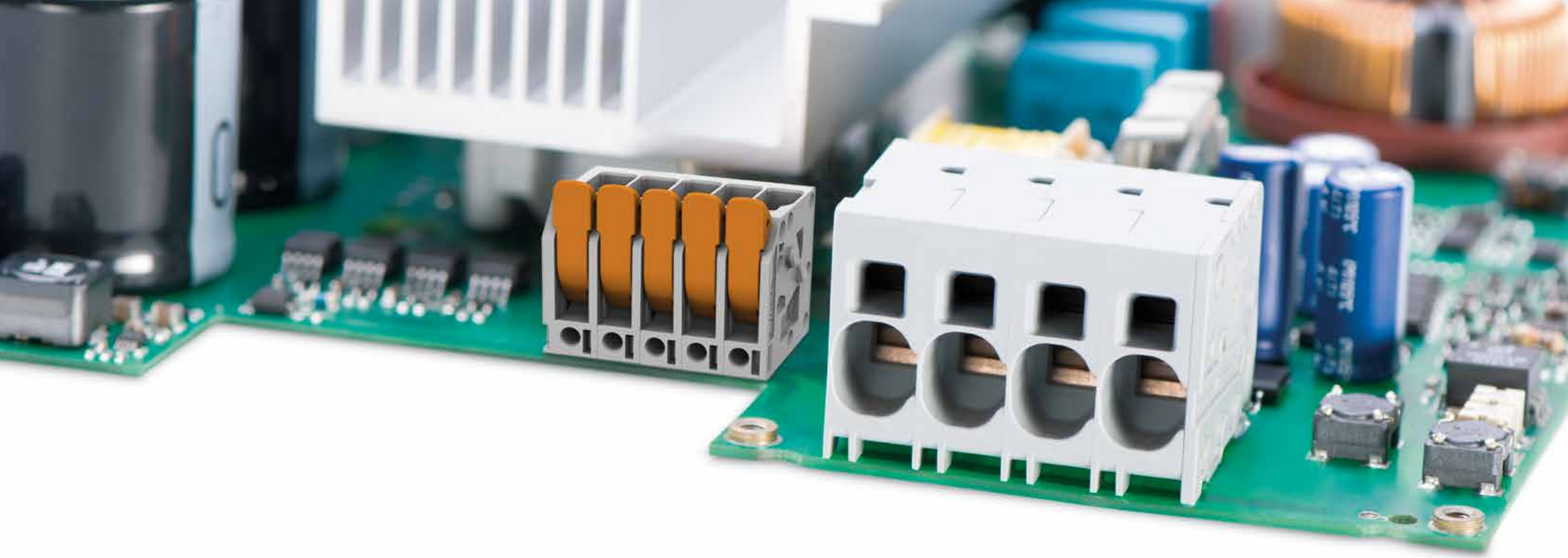
PCB Terminal Blocks and Connectors for Power Electronics

More Power on Your PCB



MORE POWER ON YOUR PCB

More Power no Longer Means More Space!

The trend toward electronic miniaturization requires that both power and signal levels be integrated on PCBs. The results: Increased power density requiring connection technologies suited for both compact and high-performance PCB terminal blocks and connectors.

Connection technology is also a basic criterion for selecting the right terminal block/connector in demanding applications, such as power supplies, frequency inverters or servo drives. Additional decisive factors include simple and easy operation, as well as wiring flexibility.

Every Advantage – All in One

WAGO combines all these criteria into a comprehensive and varied range of PCB terminal blocks and connectors for power electronics. WAGO's PCB terminal blocks can be operated via lever or operating tool.

A multitude of variants are available in various pin spacings allowing currents up to 101 A (IEC) or 85 A (UL) and voltages up to 1000 V (IEC) or 600 V (UL) to be transmitted in double-pinning configuration.

WAGO's lever-equipped *MCS* MAXI 6 and MAXI 16 Connectors enable intuitive actuation without tools for simple, secure in-hand wiring.

Both PCB terminal blocks and connectors also offer a unique space-saving feature: Beyond their nominal cross section, they connect most solid and fine-stranded conductors up to the next larger cross section size. This saves space on the PCB and reduces device connection costs.

Thanks to WAGO's innovative spring pressure connection technology, our PCB terminal blocks and connectors for all applications ideally blend ergonomics and safety. Push-in CAGE CLAMP® enables solid and ferruled conductors to be connected by simply pushing them into the unit, while guaranteeing secure and maintenance-free connections for all conductor types. Furthermore, our products are not only simple and easy to use, but also offer maximum wiring flexibility.

Learn more at:
www.wago.com/powerelectronics

Advantages:

- Comprehensive product range: 0.2 … 25 mm² (24–4 AWG)
- Push-in CAGE CLAMP® termination of both solid and ferruled conductors
- Wider conductor range and higher current carrying capacity
- Conductor connection and mating direction both horizontal and vertical to the PCB
- Testing both parallel and perpendicular to conductor entry

PCB TERMINAL BLOCKS WITH Push-in CAGE CLAMP®

2624, 2626, 2636 Series

WAGO's PCB terminal blocks with Push-in CAGE CLAMP® are ideal for compact device connections. They are compatible with existing industrial solutions and can be perfectly integrated into both space-limited and panel feedthrough applications.

Push-in CAGE CLAMP® is suitable for all conductor types and enables solid and ferruled conductors to be connected by simply pushing them into the unit. Tool-actuated termination is performed parallel to conductor entry. WAGO's PCB terminal blocks terminate conductors both horizontally and vertically to the PCB. Furthermore, they can be tested both parallel and perpendicular to conductor entry.

Advantages:

- Compact device connection
- Ideal for panel feedthrough and space-restricted applications
- Operation parallel to conductor entry
- Compatibility with existing industrial solutions
- For applications complying with EN and UL 61800-5-1 (details upon request)

Conductor Range:

[mm²]	0.2	0.34	0.5	0.75	1.5	2.5	4	6	10	16	25	[mm²]
2624 Series	All conductor types						"s" + "f-st"					Pin spacing: 5 / 7.5 / 11.5 mm
2626 Series	All conductor types								"s" + "f-st"			Pin spacing: 7.5 mm / 12.5 mm
2636 Series				All conductor types							"f-st"	Pin spacing: 10 mm / 15 mm
[AWG]	24	22	20	18	16	14	12	10	8	6	4	[AWG]

All conductor types including ferruled without restriction "s" Only solid conductors "f-st" Only fine-stranded conductors

PCB TERMINAL BLOCKS WITH Push-in CAGE CLAMP® AND LEVER

2604, 2606, 2616 Series

WAGO's lever-equipped PCB terminal blocks offer faster and easier wiring. They combine a compact design, high current carrying capacity and the advantages of Push-in CAGE CLAMP® with the benefits of intuitive lever operation. The lever permits 100% tool-free operation and provides a secure connection when the easy-to-use lever closes the clamping unit. The lever also clearly locks in position (open/close) with a tactile and audible click. WAGO's PCB terminal blocks with levers terminate conductors both horizontally and vertically to the PCB. Furthermore, they can be tested both parallel and perpendicular to conductor entry.

Advantages:

- The lever engages and keeps the clamping point open, freeing hands for quick and easy wiring.
- The lever position clearly signals whether the clamping point is open or closed.
- All conductor types can be connected and disconnected without tools.
- Push-in CAGE CLAMP® termination of both solid and ferruled conductors
- Connection is secured when easy-to-use lever is quickly and simply lowered into closed position.

Conductor Range:

[mm²]	0.2	0.34	0.5	0.75	1.5	2.5	4	6	10	16	25	[mm²]
2604 Series	All conductor types						"s" + "f-st"					Pin spacing: 5 / 7.5 / 11.5 mm
2606 Series	All conductor types								"s" + "f-st"			Pin spacing: 7.5 mm / 12.5 mm
2616 Series				All conductor types							"f-st"	Pin spacing: 10 mm / 15 mm
[AWG]	24	22	20	18	16	14	12	10	8	6	4	[AWG]

All conductor types including ferruled without restriction "s" Only solid conductors "f-st" Only fine-stranded conductors

PCB TERMINAL BLOCKS

2624 Series

- PCB terminal block with tool-actuation and Push-in CAGE CLAMP®
- Straight or angled type
- Ideal for panel feedthrough applications via operation parallel to conductor entry

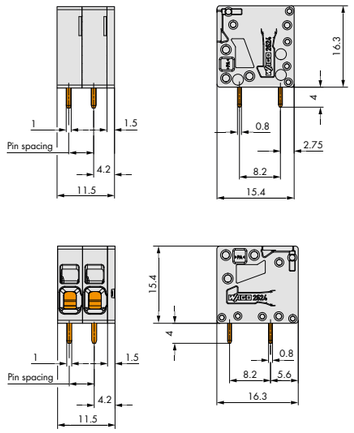
Push-in termination of solid conductors

Insert fine-stranded conductors and remove all conductor types via operating tool.

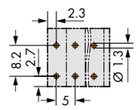
PCB terminal block for panel feed-through connections

2624 Series						
Pin spacing	5 mm	7.5 mm	11.5 mm	Conductor Data		
Ratings per	IEC/EN 60664-1			Connection technology	Push-in CAGE CLAMP®	
Nominal voltage (III / 3)	320 V	630 V	1000 V	Conductor range: solid	0.2 … 6 mm²	
Rated voltage (III / 2)	400 V	630 V	1000 V	Conductor range: fine-stranded	0.2 … 6 mm²	
Nominal voltage (II / 2)	630 V	1000 V	1000 V	Conductor range: fine-stranded	0.25 … 2.5 mm² (with insulated ferrule)	
Rated surge voltage	4 kV	6 kV	8 kV	Conductor range: fine-stranded	0.25 … 2.5 mm² (with uninsulated ferrule)	
Rated current	32 A			AWG	24 … 10	
UL 1059 / Use Group C		26 A 150 V	26 A 600 V	Strip length	10 … 12 mm / 0.39 … 0.47 inch	

Pole No.	Item No.					
Pin spacing	5 mm	7.5 mm	11.5 mm	5 mm	7.5 mm	11.5 mm
	Angled			Straight		
1	2624-1101			2624-3101		
2	2624-1102	2624-1302	2624-1502	2624-3102	2624-3302	2624-3502
3	2624-1103	2624-1303	2624-1503	2624-3103	2624-3303	2624-3503
4	2624-1104	2624-1304	2624-1504	2624-3104	2624-3304	2624-3504
5	2624-1105	2624-1305	2624-1505	2624-3105	2624-3305	2624-3505
6	2624-1106	2624-1306	2624-1506	2624-3106	2624-3306	2624-3506
7	2624-1107	2624-1307	2624-1507	2624-3107	2624-3307	2624-3507
8	2624-1108	2624-1308	2624-1508	2624-3108	2624-3308	2624-3508
9	2624-1109	2624-1309	2624-1509	2624-3109	2624-3309	2624-3509
10	2624-1110	2624-1310	2624-1510	2624-3110	2624-3310	2624-3510
11	2624-1111	2624-1311	2624-1511	2624-3111	2624-3311	2624-3511
12	2624-1112	2624-1312	2624-1512	2624-3112	2624-3312	2624-3512



Footprint (top view)



Learn more at:
www.wago.com/2624

PCB TERMINAL BLOCKS

2604 Series

- PCB terminal block with lever and Push-in CAGE CLAMP®
- Connection is secured when easy-to-use lever is quickly and simply lowered into closed position.
- Straight or angled type

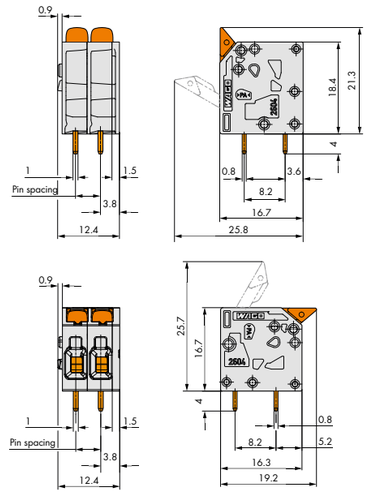
Push-in termination of solid conductors

Insert fine-stranded conductors – and remove all conductors – via operating tool.

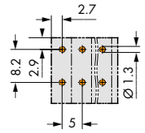
PCB terminal block for power supplies

2604 Series						
Pin spacing	5 mm	7.5 mm	11.5 mm	Conductor Data		
Ratings per	IEC/EN 60664-1			Connection technology	Push-in CAGE CLAMP®	
Nominal voltage (III / 3)	320 V	630 V	1000 V	Conductor range: solid	0.2 … 4 mm²	
Rated voltage (III / 2)	400 V	630 V	1000 V	Conductor range: fine-stranded	0.2 … 4 mm²	
Nominal voltage (II / 2)	630 V	1000 V	1000 V	Conductor range: fine-stranded	0.25 … 2.5 mm² (with insulated ferrule)	
Rated surge voltage	4 kV	6 kV	8 kV	Conductor range: fine-stranded	0.25 … 2.5 mm² (with uninsulated ferrule)	
Rated current	32 A			AWG	24 … 12	
UL 1059 / Use Group C		20 A 300 V	20 A 600 V	Strip length	9 … 11 mm / 0.35 … 0.43 inch	

Pole No.	Item No.					
Pin spacing	5 mm	7.5 mm	11.5 mm	5 mm	7.5 mm	11.5 mm
	Angled			Straight		
1	2604-1101			2604-3101		
2	2604-1102	2604-1302	2604-1502	2604-3102	2604-3302	2604-3502
3	2604-1103	2604-1303	2604-1503	2604-3103	2604-3303	2604-3503
4	2604-1104	2604-1304	2604-1504	2604-3104	2604-3304	2604-3504
5	2604-1105	2604-1305	2604-1505	2604-3105	2604-3305	2604-3505
6	2604-1106	2604-1306	2604-1506	2604-3106	2604-3306	2604-3506
7	2604-1107	2604-1307	2604-1507	2604-3107	2604-3307	2604-3507
8	2604-1108	2604-1308	2604-1508	2604-3108	2604-3308	2604-3508
9	2604-1109	2604-1309	2604-1509	2604-3109	2604-3309	2604-3509
10	2604-1110	2604-1310	2604-1510	2604-3110	2604-3310	2604-3510
11	2604-1111	2604-1311	2604-1511	2604-3111	2604-3311	2604-3511
12	2604-1112	2604-1312	2604-1512	2604-3112	2604-3312	2604-3512



Footprint (top view)



Learn more at:
www.wago.com/2604

PCB TERMINAL BLOCKS

2626 Series

- PCB terminal block with tool operation and Push-in CAGE CLAMP®
- Straight or angled type
- Ideal for panel feedthrough applications via operation parallel to conductor entry

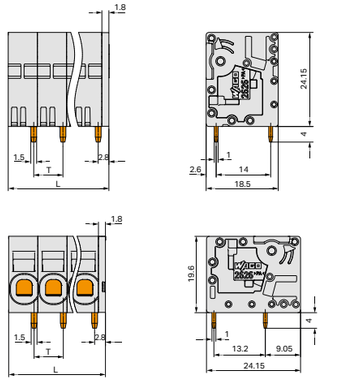
Push-in termination of solid conductors

Insert fine-stranded conductors and remove all conductor types via operating tool.

PCB terminal block for panel feed-through connections

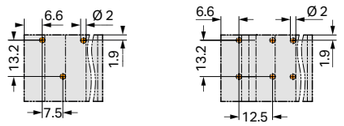
2626 Series				
Pin spacing	7.5 mm	12.5 mm	Conductor Data	
Ratings per	IEC/EN 60664-1		Connection technology	Push-in CAGE CLAMP®
Nominal voltage (III / 3)	800 V	1000 V	Conductor range: solid	0.2 … 10 mm²
Rated voltage (III / 2)	1000 V	1000 V	Conductor range: fine-stranded	0.2 … 10 mm²
Nominal voltage (II / 2)	1000 V	1000 V	Conductor range: fine-stranded	0.25 … 6 mm² (with insulated ferrule)
Rated surge voltage	8 kV	8 kV	Conductor range: fine-stranded	0.25 … 6 mm² (with uninsulated ferrule)
Rated current	41 A	41 A	AWG	24 … 8
UL 1059 / Use Group C	38 A 600 V	38 A 600 V	Strip length	13 … 15 mm / 0.51 … 0.59 inch

Pole No.	Item No.			
	7.5 mm	12.5 mm	7.5 mm	12.5 mm
	Angled		Straight	
1	2626-1101		2626-3101	
2	2626-1102/0020-0000	2626-1352	2626-3102/0020-0000	2626-3352
3	2626-1103/0020-0000	2626-1353	2626-3103/0020-0000	2626-3353
4	2626-1104/0020-0000	2626-1354	2626-3104/0020-0000	2626-3354
5	2626-1105/0020-0000	2626-1355	2626-3105/0020-0000	2626-3355
6	2626-1106/0020-0000	2626-1356	2626-3106/0020-0000	2626-3356
7	2626-1107/0020-0000	2626-1357	2626-3107/0020-0000	2626-3357
8	2626-1108/0020-0000	2626-1358	2626-3108/0020-0000	2626-3358
9	2626-1109/0020-0000	2626-1359	2626-3109/0020-0000	2626-3359
10	2626-1110/0020-0000	2626-1360	2626-3110/0020-0000	2626-3360
11	2626-1111/0020-0000	2626-1361	2626-3111/0020-0000	2626-3361
12	2626-1112/0020-0000	2626-1362	2626-3112/0020-0000	2626-3362



T = Pin spacing
L = T x P + 1.8

Footprint (top view)



Learn more at:
www.wago.com/2626

PCB TERMINAL BLOCKS

2606 Series

- PCB terminal block with lever and Push-in CAGE CLAMP®
- Connection is secured when easy-to-use lever is quickly and simply lowered into closed position.
- Straight or angled type

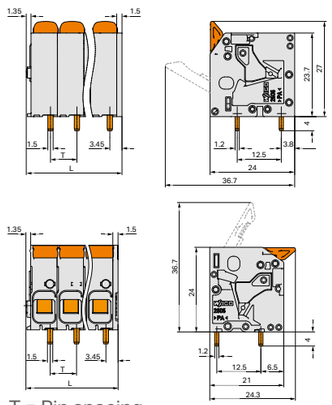
Push-in termination of solid conductors

Insert fine-stranded conductors – and remove all conductors – via operating tool.

PCB terminal block for power supplies

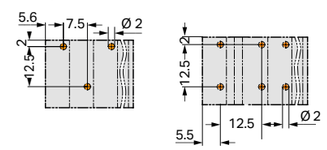
2606 Series				
Pin spacing	7.5 mm	12.5 mm	Conductor Data	
Ratings per	IEC/EN 60664-1		Connection technology	Push-in CAGE CLAMP®
Nominal voltage (III / 3)	800 V	800 V	Conductor range: solid	0.2 … 10 mm²
Rated voltage (III / 2)	1000 V	1000 V	Conductor range: fine-stranded	0.2 … 10 mm²
Nominal voltage (II / 2)	1000 V	1000 V	Conductor range: fine-stranded	0.25 … 6 mm² (with insulated ferrule)
Rated surge voltage	8 kV	8 kV	Conductor range: fine-stranded	0.25 … 6 mm² (with uninsulated ferrule)
Rated current	41 A	41 A	AWG	24 … 8
UL 1059 / Use Group C	31 A 600 V		Strip length	11 … 13 mm / 0.43 … 0.51 inch

Pole No.	Item No.			
	7.5 mm	12.5 mm	7.5 mm	12.5 mm
	Angled		Straight	
1	2606-1101		2606-3101	
2	2606-1102/0020-0000	2606-1352	2606-3102/0020-0000	2606-3352
3	2606-1103/0020-0000	2606-1353	2606-3103/0020-0000	2606-3353
4	2606-1104/0020-0000	2606-1354	2606-3104/0020-0000	2606-3354
5	2606-1105/0020-0000	2606-1355	2606-3105/0020-0000	2606-3355
6	2606-1106/0020-0000	2606-1356	2606-3106/0020-0000	2606-3356
7	2606-1107/0020-0000	2606-1357	2606-3107/0020-0000	2606-3357
8	2606-1108/0020-0000	2606-1358	2606-3108/0020-0000	2606-3358
9	2606-1109/0020-0000	2606-1359	2606-3109/0020-0000	2606-3359
10	2606-1110/0020-0000	2606-1360	2606-3110/0020-0000	2606-3360
11	2606-1111/0020-0000	2606-1361	2606-3111/0020-0000	2606-3361
12	2606-1112/0020-0000	2606-1362	2606-3112/0020-0000	2606-3362



T = Pin spacing
L = T x P + 1.5

Footprint (top view)



Learn more at:
www.wago.com/2606

PCB TERMINAL BLOCKS

2636 Series

- PCB terminal block with tool operation and Push-in CAGE CLAMP®
- Straight or angled type
- Ideal for panel feedthrough applications via operation parallel to conductor entry

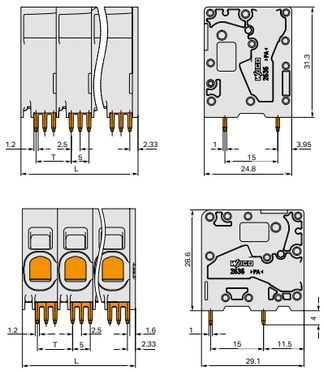
Push-in termination of solid conductors

Insert fine-stranded conductors and remove all conductor types via operating tool.

PCB terminal block for panel feed-through connections

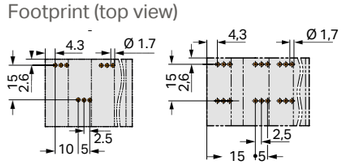
2636 Series				
Pin spacing	10 mm	15 mm	Conductor Data	
Ratings per	IEC/EN 60664-1		Connection technology	Push-in CAGE CLAMP®
Nominal voltage (III / 3)	1000 V	800 V	Conductor range: solid	0.75 … 16 mm²
Rated voltage (III / 2)	1000 V	1000 V	Conductor range: fine-stranded	0.75 … 25 mm²
Nominal voltage (II / 2)	1000 V	1000 V	Conductor range: fine-stranded	0.75 … 16 mm² (with insulated ferrule)
Rated surge voltage	8 kV	8 kV	Conductor range: fine-stranded	0.75 … 16 mm² (with uninsulated ferrule)
Rated current	76 A	76 A	AWG	18 … 4
UL 1059 / Use Group C	66 A 600 V		Strip length	18 … 20 mm / 0.71 … 0.79 inch

Pole No.	Item No.			
	10 mm	15 mm	10 mm	15 mm
	Angled		Straight	
1	2636-1101		2636-3101	
2	2636-1102/0020-0000	2636-1352	2636-3102/0020-0000	2636-3352
3	2636-1103/0020-0000	2636-1353	2636-3103/0020-0000	2636-3353
4	2636-1104/0020-0000	2636-1354	2636-3104/0020-0000	2636-3354
5	2636-1105/0020-0000	2636-1355	2636-3105/0020-0000	2636-3355
6	2636-1106/0020-0000	2636-1356	2636-3106/0020-0000	2636-3356
7	2636-1107/0020-0000	2636-1357	2636-3107/0020-0000	2636-3357
8	2636-1108/0020-0000	2636-1358	2636-3108/0020-0000	2636-3358
9	2636-1109/0020-0000		2636-3109/0020-0000	
10	2636-1110/0020-0000		2636-3110/0020-0000	
11	2636-1111/0020-0000		2636-3111/0020-0000	
12	2636-1112/0020-0000		2636-3112/0020-0000	



T = Pin spacing
L = T x P + 1.6

Footprint (top view)



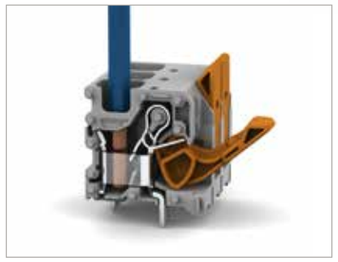
Learn more at:
www.wago.com/2636

PCB TERMINAL BLOCKS

2616 Series

- PCB terminal block with lever and Push-in CAGE CLAMP®
- Connection is secured when easy-to-use lever is quickly and simply lowered into closed position.
- Straight or angled type

Push-in termination of solid conductors

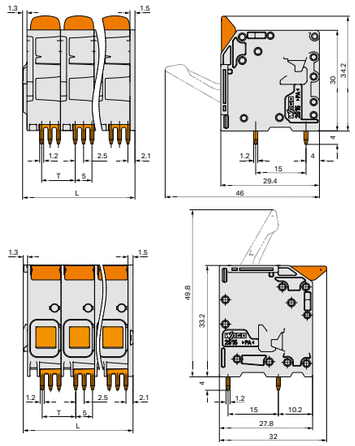


Insert fine-stranded conductors – and remove all conductors – via operating tool.

PCB terminal block for power supplies

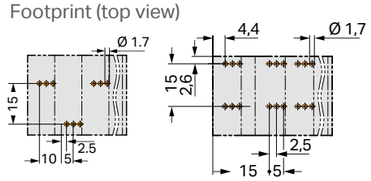
2616 Series				
Pin spacing	10 mm	15 mm	Conductor Data	
Ratings per	IEC/EN 60664-1		Connection technology	Push-in CAGE CLAMP®
Nominal voltage (III / 3)	1000 V	1000 V	Conductor range: solid	0.75 … 16 mm²
Rated voltage (III / 2)	1000 V	1000 V	Conductor range: fine-stranded	0.75 … 25 mm²
Nominal voltage (II / 2)	1000 V	1000 V	Conductor range: fine-stranded	0.75 … 16 mm² (with insulated ferrule)
Rated surge voltage	8 kV	8 kV	Conductor range: fine-stranded	0.75 … 16 mm² (with uninsulated ferrule)
Rated current	76 A	76 A	AWG	18 … 4
UL 1059 / Use Group C	66 A 600 V		Strip length	18 … 20 mm / 0.71 … 0.79 inch

Pole No.	Item No.			
	10 mm	15 mm	10 mm	15 mm
	Angled		Straight	
1	2616-1101		2616-3101	
2	2616-1102/0020-0000	2616-1352	2616-3102/0020-0000	2616-3352
3	2616-1103/0020-0000	2616-1353	2616-3103/0020-0000	2616-3353
4	2616-1104/0020-0000	2616-1354	2616-3104/0020-0000	2616-3354
5	2616-1105/0020-0000	2616-1355	2616-3105/0020-0000	2616-3355
6	2616-1106/0020-0000	2616-1356	2616-3106/0020-0000	2616-3356
7	2616-1107/0020-0000	2616-1357	2616-3107/0020-0000	2616-3357
8	2616-1108/0020-0000	2616-1358	2616-3108/0020-0000	2616-3358
9	2616-1109/0020-0000		2616-3109/0020-0000	
10	2616-1110/0020-0000		2616-3110/0020-0000	
11	2616-1111/0020-0000		2616-3111/0020-0000	
12	2616-1112/0020-0000		2616-3112/0000-0020	



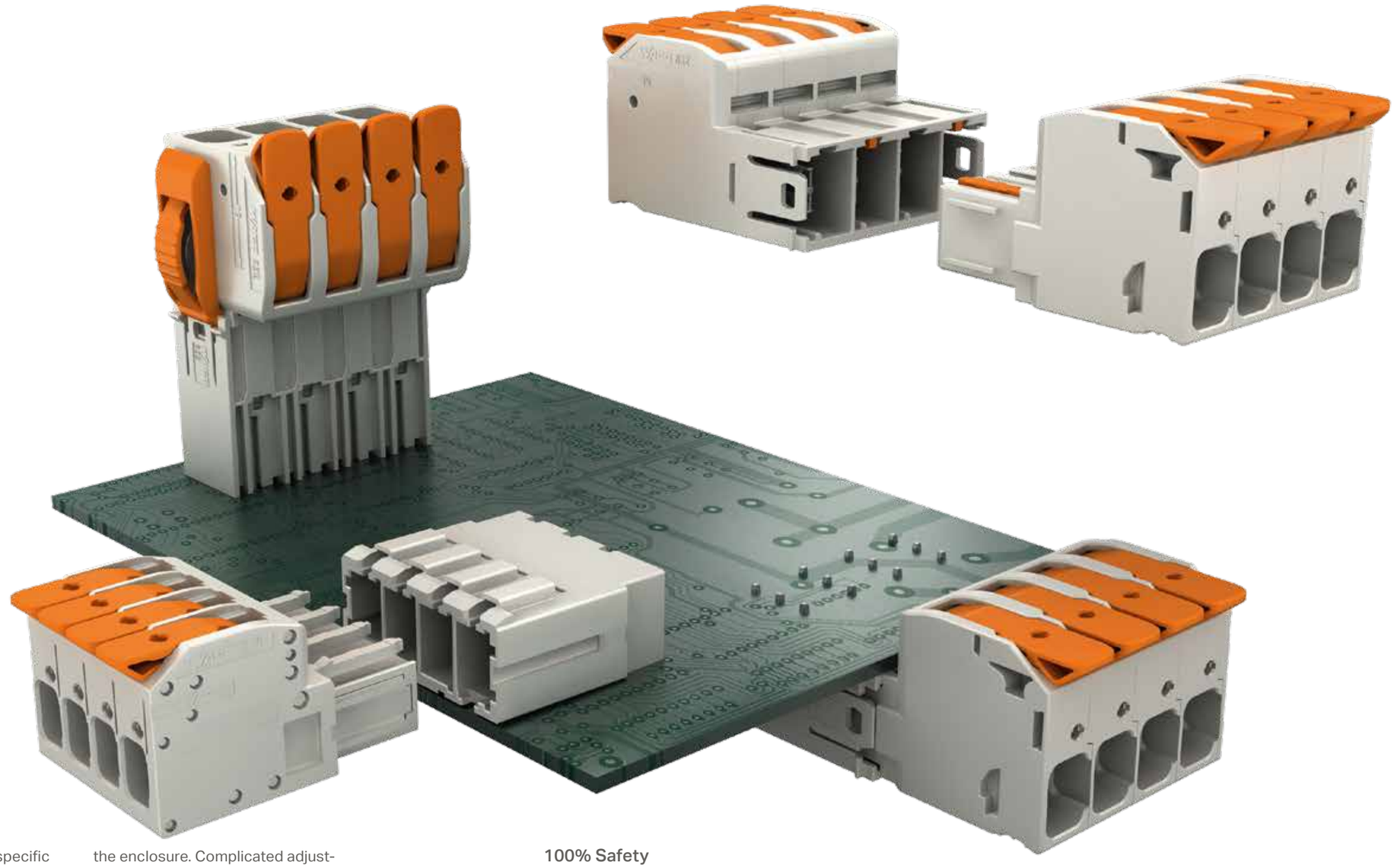
T = Pin spacing
L = T x P + 1.5

Footprint (top view)



Learn more at:
www.wago.com/2616

LEVERAGE CONVENIENCE



Pluggable PCB Connectors with Levers – Connect Conductors up to 25 mm² (4 AWG)

For wiring assemblies in the field, highly accessible and simple-to-operate connection points are essential. WAGO is literally leveraging its expertise with the *MCS* MAXI 6 and *MCS* MAXI 16 to offer the world's first pluggable connectors with levers for intuitive, tool-free usage. With this feature, connectors can be wired in-hand easily and quickly. Furthermore, simply lowering the lever always ensures a reliable contact.

Both wire-to-wire and wire-to-board versions of pluggable PCB connectors are available and designed for a nominal cross-section of 6 or 16 mm² (10 or 6 AWG). The top advantage where space is at a premium: Beyond their specific nominal cross-section, the PCB connectors connect fine-stranded conductors up to 10 or 25 mm² (8 or 4 AWG). Connection with Push-in CAGE CLAMP® is suitable for all conductor types and enables solid and fine-stranded conductors with ferrules to be connected by simply pushing them into the unit.

Flexible Coding – Ready to Adapt

The coding of the new *MCS* MAXI 16 Connectors brings additional benefits: They are coded internally, simplifying individual coding changes – even when the connector is already installed in the enclosure. Complicated adjustments to the enclosure cutout are no longer required. Another unique feature is the ability to quickly and easily recode when plugged in. To keep installation simple and minimize the number of assemblies, both male headers and female connectors feature the same symmetrically formed coding fingers.

MCS MAXI 6 Connectors are also easy to code. Depending on the version, separate coding pins are available or the coding pins can be broken off directly from the female connector and inserted into the corresponding male header.

100% Safety

As with all *MCS* products, the pluggable connectors also provide 100% protection against mismating to ensure maximum safety for field wiring. The integrated protective contact caps within the interface of the *MCS* MAXI 16 Male Headers ensure additional user safety when unplugged.

Yet another highlight: An optional interlock enables fast, reliable connection and also prevents accidental disconnection.

Advantages:

- The lever engages and keeps the clamping point open, freeing hands for quick and easy wiring.
- All conductor types can be connected and disconnected without tools.
- Product range: 0.2 … 25 mm²
- Push-in CAGE CLAMP® termination of both solid and ferruled conductors
- Wider conductor range and higher current carrying capacity
- 100% protected against mismating
- Coding and locking options available

Learn more at:
www.wago.com/powerelectronics

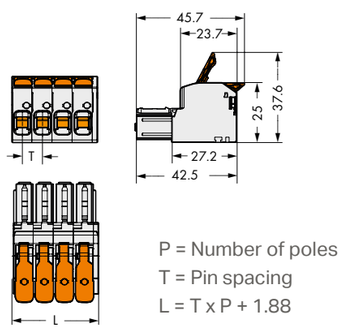
MCS MAXI 6

1-Conductor Female Connectors with Levers

- Female connectors with levers and Push-in CAGE CLAMP®
- Variants with and without locking
- Push-in CAGE CLAMP® termination of both solid and ferruled conductors
- Test slot 0° and 90° to conductor entry
- Connection is secured when easy-to-use lever is quickly and simply lowered into closed position.

831-110x Series			
Pin spacing	7.62 mm	Conductor Data	
Ratings per	IEC/EN 60664-1	Connection technology	Push-in CAGE CLAMP®
Nominal voltage (III / 3)	800 V	Conductor range: solid	0.2 … 10 mm²
Rated voltage (III / 2)	1000 V	Conductor range: fine-stranded	0.2 … 10 mm²
Nominal voltage (II / 2)	1000 V	Conductor range: fine-stranded	0.25 … 6 mm² (with insulated ferrule)
Rated surge voltage	8 kV	Conductor range: fine-stranded	0.25 … 6 mm² (with uninsulated ferrule)
Rated current	41 A	AWG	24 … 8
		Strip length	11 … 13 mm / 0.43 … 0.51 inch

Pole No.	Item No.	
	1-conductor female connector; light gray	1-conductor female connector; with locking levers; light gray
2	831-1102	831-1102/037-000
3	831-1103	831-1103/037-000
4	831-1104	831-1104/037-000
5	831-1105	831-1105/037-000
6	831-1106	831-1106/037-000
7	831-1107	831-1107/037-000
8	831-1108	831-1108/037-000
9	831-1109	831-1109/037-000



P = Number of poles
T = Pin spacing
L = T x P + 1.88

Learn more at:
www.wago.com/831

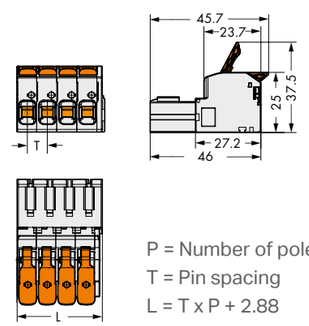
MCS MAXI 6

1-Conductor Male Connectors with Levers

- Male connectors with levers and Push-in CAGE CLAMP®
- For wire-to-wire applications
- Push-in CAGE CLAMP® termination of both solid and ferruled conductors
- Test slot 0° and 90° to conductor entry
- Connection is secured when easy-to-use lever is quickly and simply lowered into closed position.

831-120x Series			
Pin spacing	7.62 mm	Conductor Data	
Ratings per	IEC/EN 60664-1	Connection technology	Push-in CAGE CLAMP®
Nominal voltage (III / 3)	800 V	Conductor range: solid	0.2 … 10 mm²
Rated voltage (III / 2)	1000 V	Conductor range: fine-stranded	0.2 … 10 mm²
Nominal voltage (II / 2)	1000 V	Conductor range: fine-stranded	0.25 … 6 mm² (with insulated ferrule)
Rated surge voltage	8 kV	Conductor range: fine-stranded	0.25 … 6 mm² (with uninsulated ferrule)
Rated current	41 A	AWG	24 … 8
		Strip length	11 … 13 mm / 0.43 … 0.51 inch

Pole No.	Item No.
	1-conductor male connector; light gray
2	831-1202
3	831-1203
4	831-1204
5	831-1205
6	831-1206
7	831-1207
8	831-1208
9	831-1209



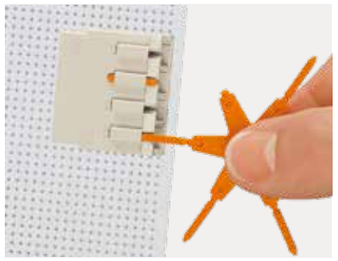
P = Number of poles
T = Pin spacing
L = T x P + 2.88

Learn more at:
www.wago.com/831

MCS MAXI 6

THT Male Headers

- Soldered male headers
  may be mounted horizontally
  or vertically via straight or angled solder pins
- Three solder pins per pole provide high electrical
  and mechanical stability
- 100% protected against mismating
- Coding options available

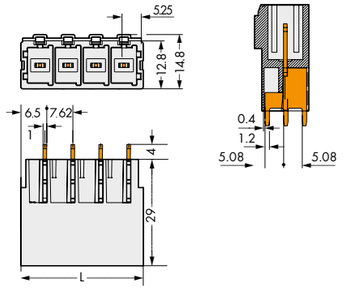


Easy coding via coding star

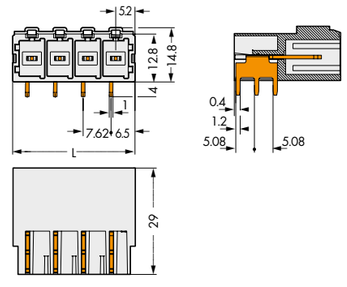
Coding star (Item No. 831-500)

831-36xx Series			
Pin spacing	7.62 mm	Solder Pin Data	
Ratings per	IEC/EN 60664-1	Solder pin length	4 mm
Nominal voltage (III / 3)	500 V	Solder pin dimensions	1 x 1.2 mm
Rated voltage (III / 2)	630 V	Drilled hole diameter with tolerance	$1.7^{+0.1}$ mm
Nominal voltage (II / 2)	1000 V		
Rated surge voltage	6 kV		
Rated current	41 A		

Pole No.	Item No.	
	THT male header; with straight solder pins; light gray	THT male header; with solder pins angled downwards; light gray
2	831-3602	831-3622
3	831-3603	831-3623
4	831-3604	831-3624
5	831-3605	831-3625
6	831-3606	831-3626
7	831-3607	831-3627
8	831-3608	831-3628
9	831-3609	831-3629

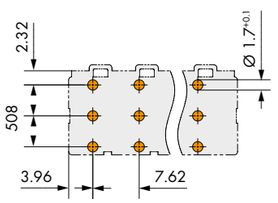


L = (pole no. – 1) x pin spacing + 10.5 mm

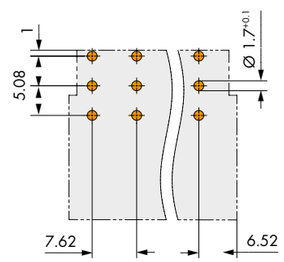


L = (pole no. – 1) x pin spacing + 10.5 mm

Footprint (top view)



Footprint (top view)



Learn more at:
www.wago.com/831

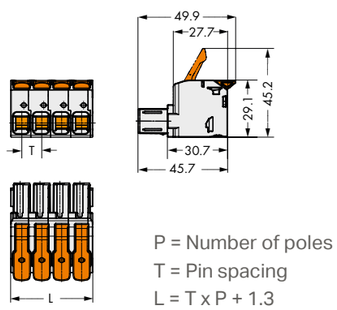
MCS MAXI 16

1-Conductor Female Connectors with Levers

- Female connectors with levers and Push-in CAGE CLAMP®
- Variants with and without locking
- Push-in CAGE CLAMP® termination of both solid and ferruled conductors
- Test slot 0° and 90° to conductor entry
- Connection is secured when easy-to-use lever is quickly and simply lowered into closed position.

832-110x Series			
Pin spacing	**10.16 mm**	**Conductor Data**	
Ratings per	**IEC/EN 60664-1**	**Connection technology**	Push-in CAGE CLAMP®
Nominal voltage (III / 3)	1000 V	**Conductor range: solid**	0.75 … 16 mm²
Rated voltage (III / 2)	1000 V	**Conductor range: fine-stranded**	0.75 … 25 mm²
Nominal voltage (II / 2)	1000 V	**Conductor range: fine-stranded**	0.75 … 16 mm² (with insulated ferrule)
Rated surge voltage	8 kV	**Conductor range: fine-stranded**	0.75 … 16 mm² (with uninsulated ferrule)
Rated current	76 A	**AWG**	18 … 4
UL 1059 / Use Group C	66 A 600 V	**Strip length**	18 … 20 mm / 0.71 … 0.79 inch

Pole No.	**Item No.**	
	1-conductor female connector; light gray	**1-conductor female connector; with locking levers; light gray**
2	832-1102	832-1102/037-000
3	832-1103	832-1103/037-000
4	832-1104	832-1104/037-000
5	832-1105	832-1105/037-000
6	832-1106	832-1106/037-000



P = Number of poles
T = Pin spacing
L = T x P + 1.3

Learn more at:
www.wago.com/832

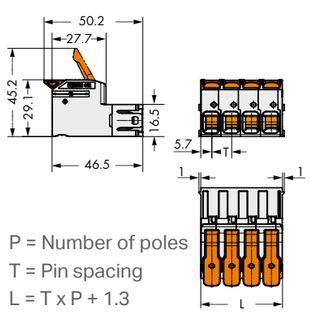
MCS MAXI 16

1-Conductor Male Connectors with Levers

- Male connectors with levers and Push-in CAGE CLAMP®
- For wire-to-wire applications
- Push-in CAGE CLAMP® termination of both solid and ferruled conductors
- Test slot 0° and 90° to conductor entry
- Connection is secured when easy-to-use lever is quickly and simply lowered into closed position.

832-120x Series			
Pin spacing	**10.16 mm**	**Conductor Data**	
Ratings per	**IEC/EN 60664-1**	**Connection technology**	Push-in CAGE CLAMP®
Nominal voltage (III / 3)	1000 V	**Conductor range: solid**	0.75 … 16 mm²
Rated voltage (III / 2)	1000 V	**Conductor range: fine-stranded**	0.75 … 25 mm²
Nominal voltage (II / 2)	1000 V	**Conductor range: fine-stranded**	0.75 … 16 mm² (with insulated ferrule)
Rated surge voltage	8 kV	**Conductor range: fine-stranded**	0.75 … 16 mm² (with uninsulated ferrule)
Rated current	76 A	**AWG**	18 … 4
UL 1059 / Use Group C	66 A 600 V	**Strip length**	18 … 20 mm / 0.71 … 0.79 inch

Pole No.	**Item No.**
	1-conductor male connector; light gray
2	832-1202
3	832-1203
4	832-1204
5	832-1205
6	832-1206



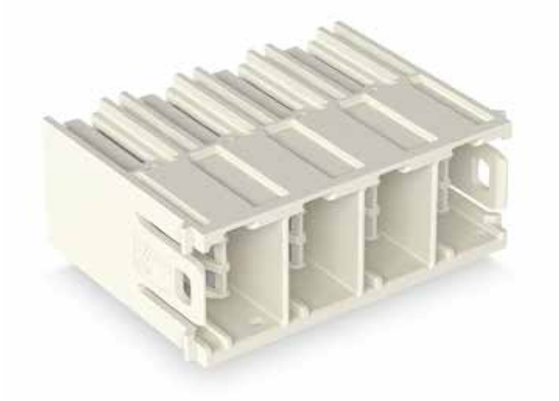
P = Number of poles
T = Pin spacing
L = T x P + 1.3

Learn more at:
www.wago.com/832

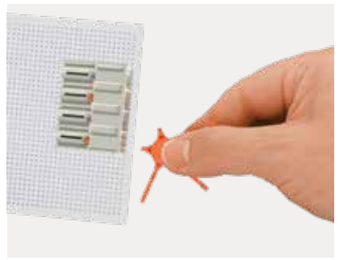
MCS MAXI 16

THT Male Headers

- Soldered male headers may be mounted horizontally or vertically via straight or angled solder pins
- Three solder pins per pole provide high electrical and mechanical stability
- 100% protected against mismating
- Coding options available



MCS MAXI 16 is ideal for enclosure cutouts.

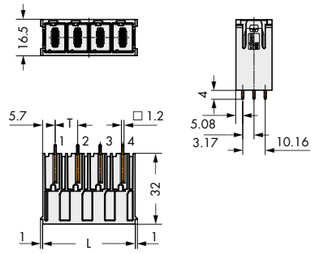


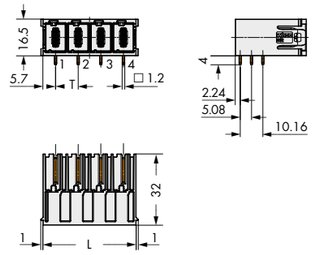
Easy coding thanks to symmetrical coding keys in both male and female connectors

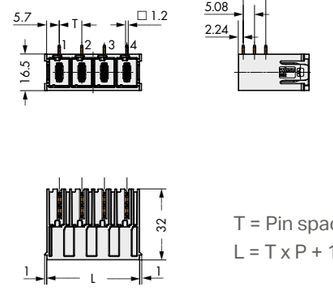
Coding star (Item No. 832-500)

832-36xx Series			
Pin spacing	10.16 mm	Solder Pin Data	
Ratings per	IEC/EN 60664-1	Solder pin length	4 mm
Nominal voltage (III / 3)	800 V	Solder pin dimensions	1.2 x 1.2 mm
Rated voltage (III / 2)	1000 V	Drilled hole diameter with tolerance	1.7$^{+0.1}$ mm
Nominal voltage (II / 2)	1000 V		
Rated surge voltage	8 kV		
Rated current	76 A		

Pole No.	Item No.		
	THT male header; with straight solder pins; light gray	THT male header; with solder pins angled downwards light gray	THT male header; with solder pins angled upwards light gray
2	832-3602	832-3622	832-3642
3	832-3603	832-3623	832-3643
4	832-3604	832-3624	832-3644
5	832-3605	832-3625	832-3645
6	832-3606	832-3626	832-3646

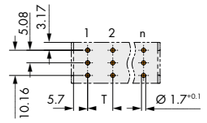




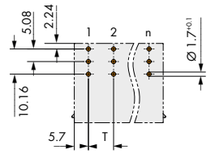


T = Pin spacing
L = T x P + 1.3

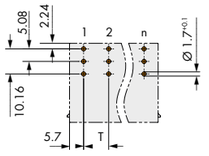
Footprint (top view)



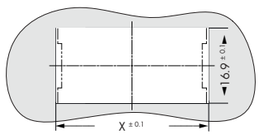
Footprint (top view)



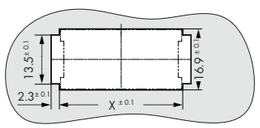
Footprint (top view)



Cutouts for male headers with solder pins



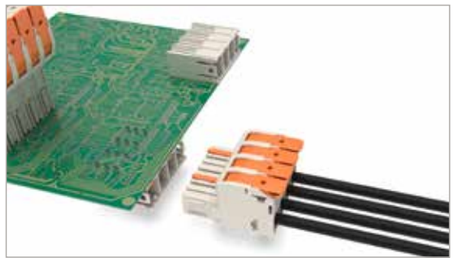
Cutouts for male headers with solder pins (with locking levers)



Pole No.	X
2	24.1
3	34.2
4	44.4
5	54.6
6	64.7

Learn more at:
www.wago.com/832

SYSTEM HIGHLIGHTS



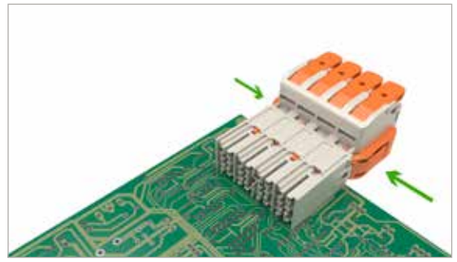
Lever Actuation

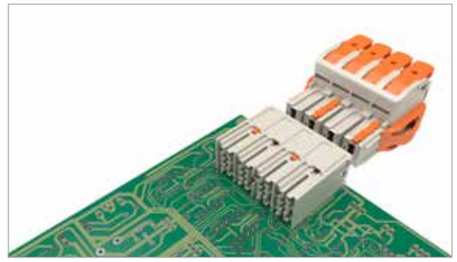
Easy in-hand wiring via lever actuation

Quick and simple in-hand wiring

Locking Levers

Easy and secure plugging with automatic locking; optional locking levers prevent accidental disconnection.





Easy and intuitive disconnection via innovative locking levers

Coding

Easy coding thanks to symmetrical coding keys in both male and female connectors

Recoding even when plugged in

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