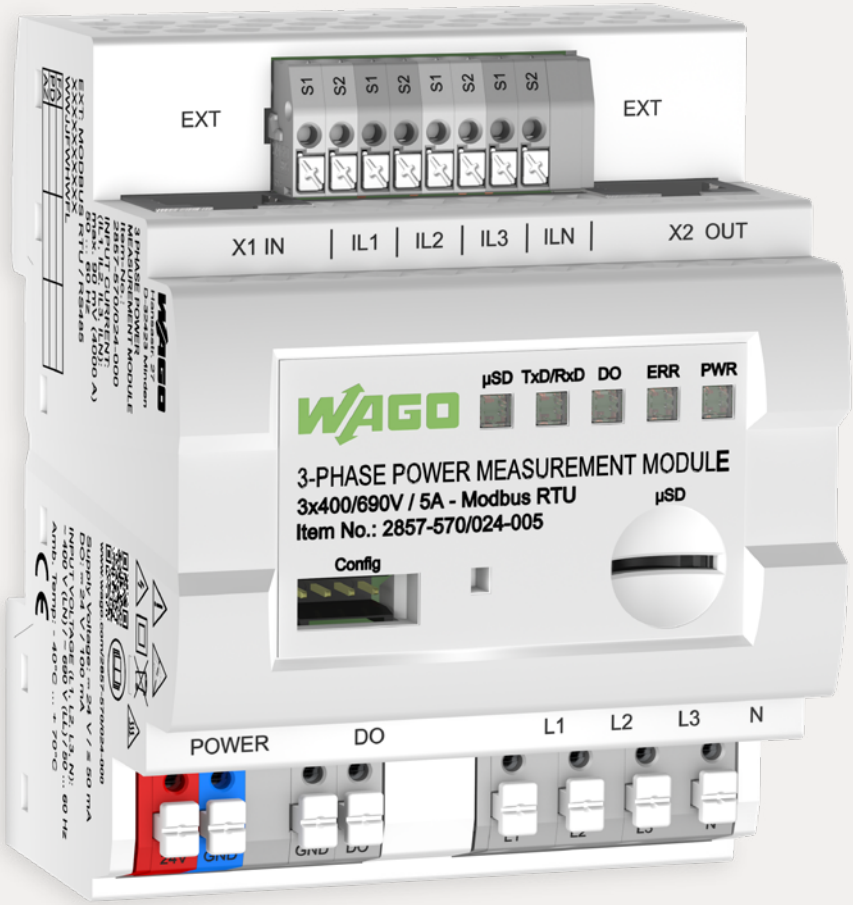
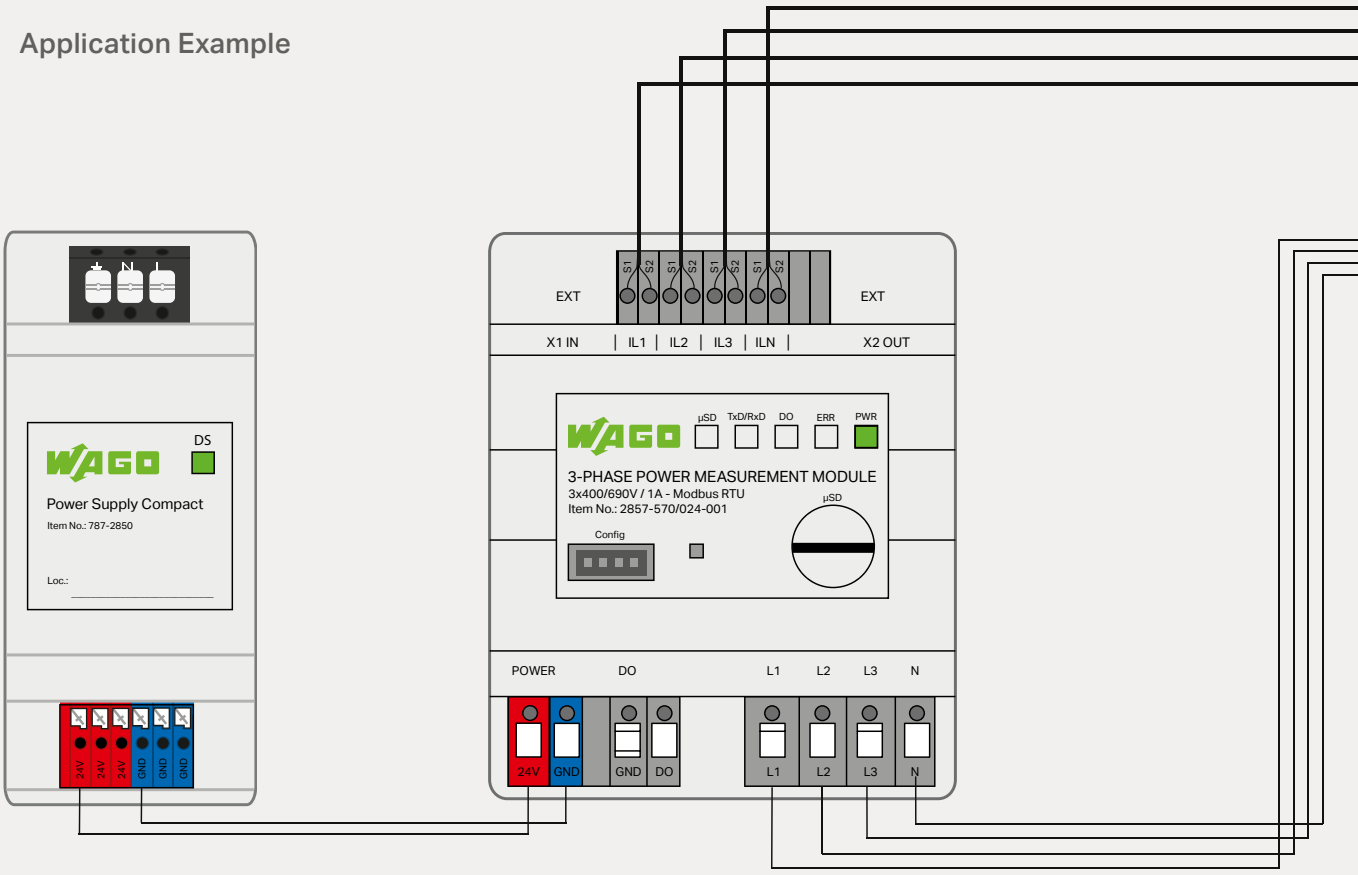
WAGO 3-PHASE POWER MEASUREMENT MODULES

With Modbus RTU Interface

NEW



Application Example



Power Supply, 787-2850

3-Phase Power Measurement Module, 2857-570 / 024-000

3-Phase Power Measurement Modules

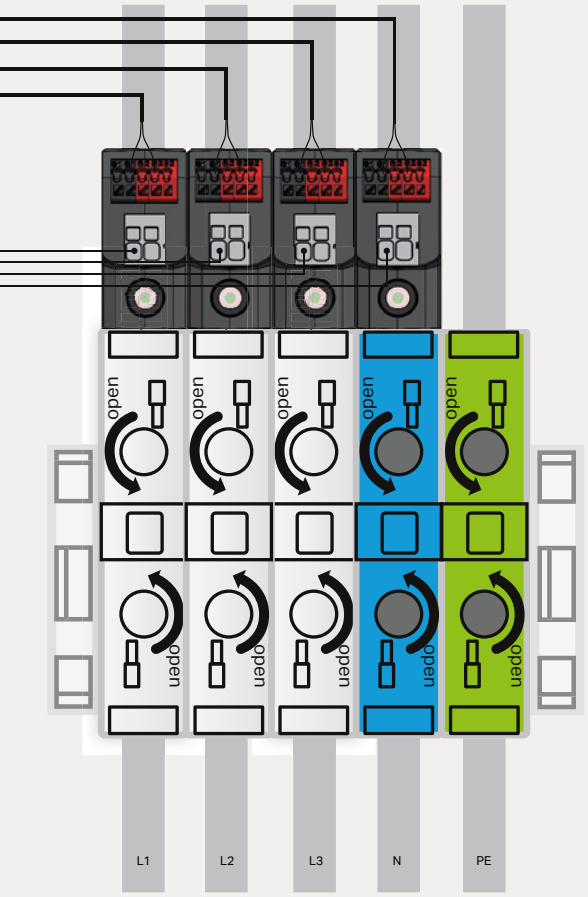
Measuring electrical data in three-phase supply networks.

For successful energy management, consumption values of machines and systems must be known. With the 3-phase power measurement module in a DIN-rail-mount enclosure, WAGO offers the ideal solution – remotely from the control level – to measure currents and voltages in a three-phase supply network. Measured variables such as active/apparent/reactive power, energy consumption, power factor, phase angle and frequency can be accessed via Modbus® Interface. Two integrated RJ-45 sockets streamline the interconnection of up to 32 devices. In addition, the 3-phase power measurement module can log the corresponding measured variables onto a microSD card. Simple configuration and display of measured variables using WAGO's interface configuration software enable the user to perform comprehensive data analysis.

Your benefits:

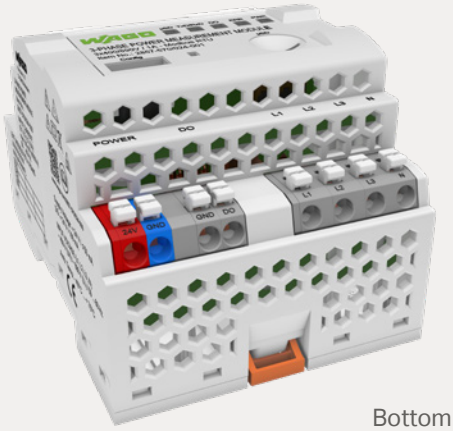
- **Measurement via current transformers or Rogowski coils:** Flexible selection of upcoming measurement tasks
- **Slot for microSD cards:** Fast and secure mobile measurement, including recording
- **Compact device in a DIN-rail-mount enclosure:** Saves space used for building technology
- **Modbus® Interface (RS-485):** Provision of the measured values via Modbus®
- **Digital signal output as pulse output (pulses/KWh are configurable):** Permanent energy consumption monitoring

Further information on WAGO's energy management can be found here: **www.wago.com/energymanagement**



Power Supply

Top view



Bottom view

Overview: 3-Phase Power Measurement Modules

Item number	2857-570 / 024-001	2857-570 / 024-005	2857-570 / 024-000
Current measurement via	1A current transformer	5A current transformer	Rogowski coils
Protocol/Interface	Modbus RTU via RS-485		
Fieldbus connection	2 x RJ-45 plug (daisy chain configuration)		
Configuration	Interface configuration software Function block (CODESYS V2.3 and V3.0)		
Connection types	3- or 4-wire three-phase network		
Rated voltage	ULN = 400 VAC; ULL = 690 VAC › (industry and buildings)		
Measuring error for current and voltage	Max. 0.5 % (of the upper-range value)		
Output (digital)	Configurable › S0 – Interface (pulses/KWh)		
Power supply	24 VDC › (Compact Power Supply, 787-2850)		
SD card	microSD slot › Stand-alone measurement		
Product/EMC standard	EN 61010-1 / EN 61000-6-2; EN 61000-6-3		

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