

Data Sheet | Item Number: 879-3000

Energimåler (MID); pentru conexiune directă; 65A; 3x230/400V; 50Hz; Modbus® și M-Bus; 2 x Interfață S0; 4PU

<https://www.wago.com/879-3000>



Short description:

Optimizing energy consumption requires comprehensive energy measurement. WAGO's portfolio now has new energy meters that make that easier while offering several key advantages. They use push-in connection technology with a lever, making them connect quickly and easily. The devices have a width of just 72 mm for direct measurement. These slim profiles save a tremendous amount of control cabinet space. In addition to the values for active and reactive energy, the energy meters also record the mains frequency, as well as current, voltage and power for all phases. And the user can conveniently scan all of these energy characteristics at a glance on a large, illuminated display.

Features:

- Time savings at every stage thanks to Push-in CAGE CLAMP® and lever
- Real space savings: 72 mm wide (4PU)
- The communications pro: M-Bus/Modbus® interface and two S0 pulse outputs
- Full transparency at a glance: display energy quality characteristics on an illuminated full-format display
- Intuitive configuration: touch-sensitive controls and configuration app via *Bluetooth*®

Technical data

Configuration

Configuration options	Touch-sensitive controls Configuration app via <i>Bluetooth</i> ®
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Input

Input signal type	Voltage Current
Network configuration	Two-wire, three-wire and four-wire networks
Reference current I_{ref}	5 A
Measured variable	Voltage Current Electrical output Mains frequency
Nominal input voltage $U_{in nom}$	3 x AC 230 ... 400 V
Input voltage range	±20 %
Input current I_i	≤ 65 A
Frequency range	45 ... 60 Hz

Communication

Communication	Modbus® M-Bus <i>Bluetooth</i> ®
Interface	RS-485 (2-wire); 2x S0 interfaces (configurable)
Indicators	LCD with backlight
Rate control input	230 VAC

Signal processing

Measured variables (calculated)	Active and reactive energy in supply and reference direction
Measurement type (load profile)	No

Measurement error

Accuracy class	Class B (= 1 % error); Active energy per EN 50470-3
Calibration validity period	8 ani

Power supply

Power supply type	Via measurement circuit
Power consumption P_{max} (phase; active power)	2 W
Power consumption P_{max} (phase; apparent power)	10 VA



Safety and protection	
Dielectric strength	4 kV; 1 min
Impulse withstand voltage (1.2/50 μs)	6 kV
Pollution degree	2
Protection class	II
Protection type	IP51 / IP20; IP51 (front side); IP20 (connection)

Connection data			
Connection object type 1		Connection object type 2	
Connection type 1	Voltage/current	Connection type 2	Communication/rate control input
Connection technology	Push-in CAGE CLAMP®	Connection technology 2	Push-in CAGE CLAMP®
WAGO connector	WAGO 2616 Series	WAGO connector 2	WAGO 2604 Series
Actuation type	Lever	Actuation type 2	Lever
Strip length	18 ... 20 mm / 0.71 ... 0.79 inci	Strip length 2	9 ... 11 mm / 0.35 ... 0.43 inci
Solid conductor	0,75 ... 16 mm² / 18 ... 4 AWG	Solid conductor 2	0,2 ... 4 mm² / 24 ... 12 AWG
Fine-stranded conductor	0,75 ... 25 mm² / 18 ... 4 AWG	Fine-stranded conductor 2	0,2 ... 4 mm² / 24 ... 12 AWG
Fine-stranded conductor; with insulated ferrule	0,75 ... 16 mm²	Fine-stranded conductor; with insulated ferrule 2	0,25 ... 2,5 mm²
Fine-stranded conductor; with uninsulated ferrule	0,75 ... 16 mm²		

Physical data	
Width	72 mm / 2.835 inci
Height	140 mm / 5.512 inci
Depth	63 mm / 2.48 inci
Note (dimensions)	Height without cover: 92 mm

Mechanical data	
Mounting type	DIN-35 rail
Housing design	DIN-rail-mount enclosure

Material data	
Housing material	PC 940A
Fire load	0 MJ
Weight	280 g

Environmental requirements	
Ambient temperature (operation)	-40 ... +70 °C
Relative humidity	≤ 75% (during storage ≤ 95 %)



Standards and specifications	
Conformity marking	CE
Standards/specifications	EN 50470-1/3 MID-compliant

Commercial data	
ETIM 8.0	EC002048
ETIM 7.0	EC002048
PU (SPU)	1 Buc.
Country of origin	CN
Customs tariff number	90283019000

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption