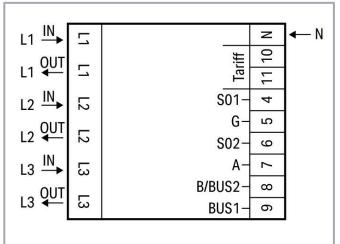
$Energy\ consumption\ meter; for\ direct\ connection;\ 65A;\ 3x230/400V;\ 50Hz;$

MID; Modbus® & M-Bus; 2 x S0 interface; 4PU

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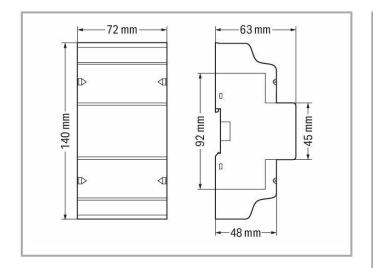






 $\label{thm:continuity} \textbf{Subject to changes. Please also observe the further product documentation!}$





Conductor cross-section	Primary rated	Ambient operating temperatu		
	current	40°C	55 °C	70°C
4 mm²	15 A			Χ
4 mm² (Fine-stranded conductor)	25 A		Χ	
	30 A	X		
4 mm²	17 A			X
(Fine-stranded conductor; with insulated ferrule)	27 A		Χ	
with insulated ferrule)	32 A	X		
6 mm²	25 A			Х
(Fine-stranded conductor)	37 A		Χ	
(41 A	Χ		
6 mm ²	27 A			X
(Fine-stranded conductor;	39 A		Χ	
with insulated ferrule)	41 A	Χ		
10 mm²	30 A			Х
(Fine-stranded conductor)	40 A		Χ	
(i ine-strailued conductor)	55 A	Х		
10 mm²	30 A			Х
(Fine-stranded conductor;	45 A		Χ	
with insulated ferrule)	55 A	X		
16 mm²	35 A			Х
(Fine-stranded conductor)	50 A		Χ	
(i ino odanasa sonaastor)	65 A	Х		
16 mm²	35 A			Х
(Fine-stranded conductor; with insulated ferrule)	55 A		Х	
	65 A	X		
25 mm ² (Fine-stranded conductor)	65 A			Х
	45 A		Х	

Item description

Short description:

Comprehensive energy measurement is necessary for optimizing energy consumption. WAGO now has new energy meters in its portfolio that simplify this task while providing several key advantages. They use the 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 widths 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 see all of these energy characteristics at a glance on a large, illuminated display.

Features:

- Saving time at every level thanks to the Push-in CAGE CLAMP® and lever
- Real space savings: 72 mm wide (4PU)
- Measurement of delivery and purchase
- Energy recording via 4 rates
- The communications pro: M-Bus and Modbus interface and 2 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*

Subject to changes. Please also observe the further product documentation!

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Data

Technical data

Configuration

	ntrols
Configuration app v	via Bluetooth [®]

Input

Input signal type	Voltage Current
Network configuration	Two-wire, three-wire and four-wire networks
Nominal input voltage U _{i nom}	3 x (3) x AC 230 400 V
Input voltage range	±20 %
Reference current I _{ref}	5 A
Input current I _i	≤ 65 A
Frequency range	45 65 Hz

Communication

Modbus [°] M-Bus
Bluetooth®
RS-485 (2-wire); 2x S0 interfaces (configurable)
AC/DC 230 V
LCD with backlight

Signal processing

Measured variables (calculated)	Active and reactive energy in supply and reference direction
Messungsart (Lastgang)	No

Measurement error

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

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

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Supply

Power supply type	Via measurement circuit
Power consumption P _{max} (phase; effective 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 type	IP51 (front side); IP20 (connection)
Protection class	II

Connection data

Connection type (1)	Voltage/current
Connection technology	Push-in CAGE CLAMP®
WAGO Connector	WAGO 2616 Series
Actuation type	Lever
Solid conductor	0.75 16 mm² / 18 4 AWG
Fine-stranded conductor	0.75 25 mm² / 18 4 AWG
Fine-stranded conductor; with insulated ferrule	0.75 16 mm²
Fine-stranded conductor; with uninsulated ferrule	0.75 16 mm²
Strip length	18 20 mm / 0.71 0.79 inch
Connection type 2	Communication/rate control input
Connection technology 2	Push-in CAGE CLAMP®
WAGO Connector 2	WAGO 857 Series
Actuation type 2	Lever
Solid conductor 2	0.2 4 mm² / 24 12 AWG
Fine-stranded conductor 2	0.2 4 mm² / 24 12 AWG
Fine-stranded conductor; with insulated ferrule 2	0.25 2.5 mm² /
Fine-stranded conductor; with uninsulated ferrule 2	0.25 2.5 mm² /
Strip length 2	9 11 mm / 0.35 0.43 inch

Physical data

Width 72 mm / 2.835 inch

 $\label{thm:continuity} \textbf{Subject to changes. Please also observe the further product documentation!}$

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Height	140 mm / 5.512 inch		
Depth	63 mm / 2.48 inch		
Note (dimensions)	Height without cover: 92 mm		
Mechanical data			
Mounting type	DIN-35 rail		
Material data			
Housing material	PC 940A		
Weight	280 g		
Environmental requirements			
Surrounding air 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			
PU (SPU)	1 Stück		
Country of origin	CN		
GTIN	4055144071290		
Customs tariff number	90283019000		
Downloads			
Documentation			
Manual			
WAGO Energy Meters (MID)	V 1.1	pdf	Download
4PS / 4PU	May 25, 2021	3.1 MB	
nstruction Leaflet			
Energy consumption meter	V 1.12	pdf	Download
	Mar 2, 2021	915.0 kB	
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CAD/CAE-Data

CAD data

2D/3D Models 879-3000 URL Download

CAE data

ZUKEN Portal 879-3000 URL Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 879-3000 URL Download

Energy consumption meter; for direct connection; 65A; 3x230/400V; 50Hz; MID;

Modbus® & M-Bus; 2 x S0 interface; 4PU

Installation Notes

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