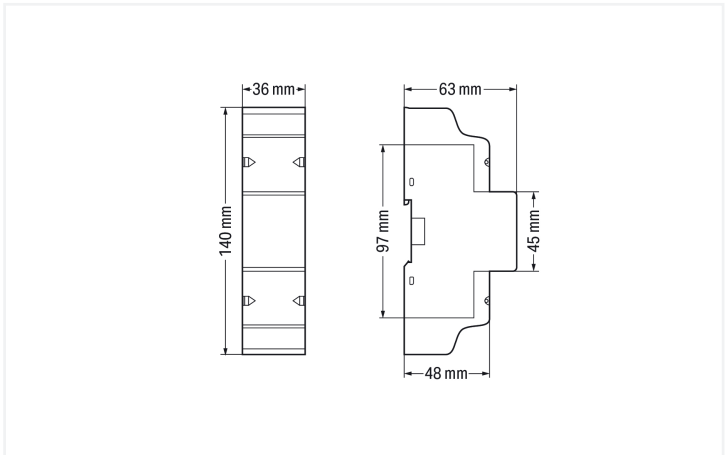
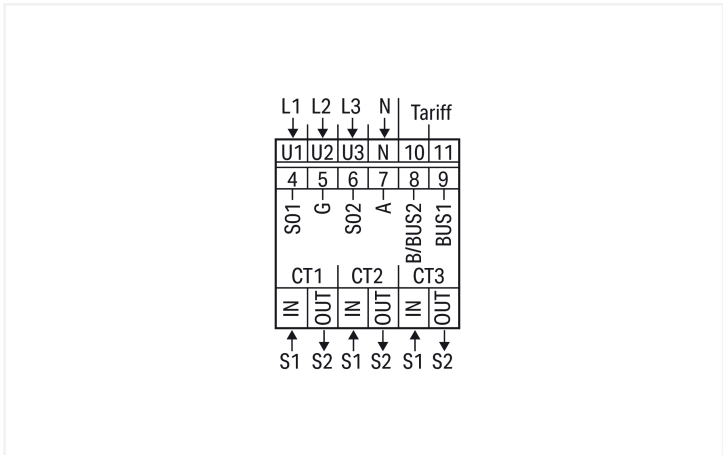
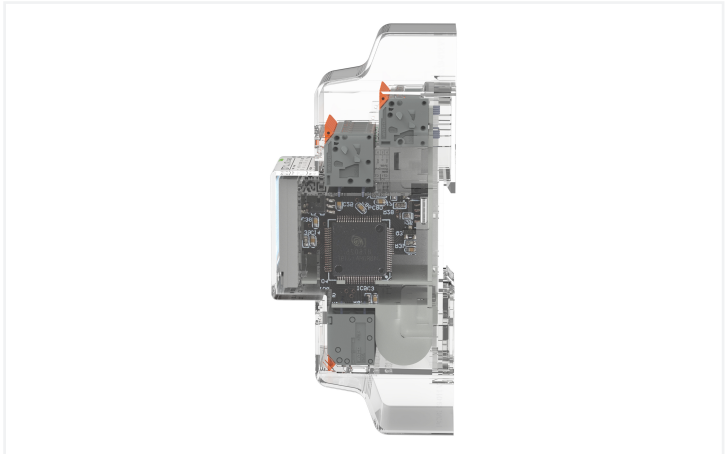
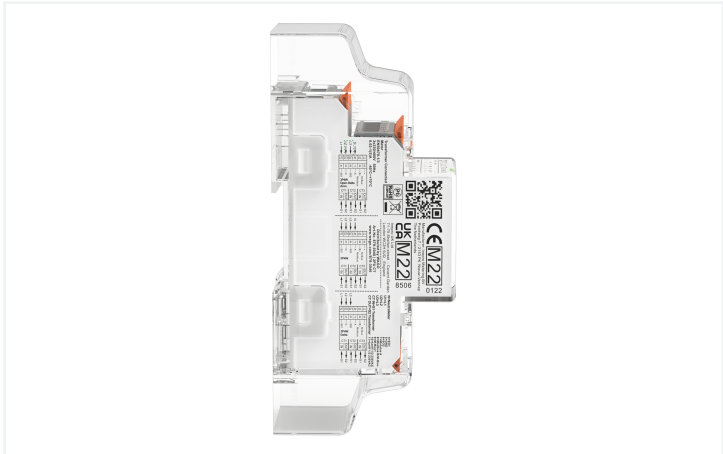


Data Sheet | Item Number: 879-3040

Energy meter (MID26); for transformer connection; 1 A / 5 A; 3x230/400V; 50Hz; Modbus® and M-Bus; 2 x S0 interface; 2PU CT

<https://www.wago.com/879-3040>



Short description:

Crucial for trimming costs, comprehensive energy measurement is necessary to optimize energy consumption. WAGO's portfolio has energy meters that simplify this task while offering several key advantages. They use push-in connection technology with a lever, making them connect quickly and easily. Versions for current transformers are even slimmer at only 35 mm. 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:

- Push-in CAGE CLAMP® and lever save time at every stage

- Real space savings: 35 mm wide (2PU CT)
- Measurement of supply and purchase
- Energy measurement in four tariffs
- 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		Input	
Configuration options	Touch-sensitive controls Configuration app via <i>Bluetooth®</i>	Input signal type	Voltage Current
		Network configuration	Two-wire, three-wire and four-wire networks
		Reference current I_{ref}	1 A
		Current transformer (secondary)	1 A 5 A
		Current transformer ratio	1:1 ... 9999 : 1 / 5:5 ... 9995 : 5
		Measured variable	Voltage Current Electrical output Mains frequency
		Nominal input voltage $U_{I nom}$	3 x 230 ... 400 VAC
		Input voltage range	±20 %
		Input current I_i	≤ 5 A
		Frequency range	45 ... 60 Hz

Communication

Communications	Modbus® M-Bus <i>Bluetooth®</i>
Interface	RS-485 (2-wire); 2 x 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
Measured value acquisition	for transformer connection

Measurement Error

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

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 position	Output bottom (PU)	Connection 1	
Design	2PU CT	Connection type	Voltage/current
		Connection technology	Push-in CAGE CLAMP®
		WAGO connector	WAGO 2604 Series
		Actuation type	Lever
		Strip length	9 ... 11 mm / 0.35 ... 0.43 inches
		Solid conductor	0.2 ... 4 mm² / 24 ... 12 AWG
		Fine-stranded conductor	0.2 ... 4 mm² / 24 ... 12 AWG
		Fine-stranded conductor; with insulated fer- rule	0.25 ... 2.5 mm²
		Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm²

Connection 2	
Connection type	Communication/rate control input
Connection technology	Push-in CAGE CLAMP®
WAGO connector	WAGO 2604 Series
Actuation type	Lever
Strip length	9 ... 11 mm / 0.35 ... 0.43 inches
Solid conductor	0.2 ... 4 mm² / 24 ... 12 AWG
Fine-stranded conductor	0.2 ... 4 mm² / 24 ... 12 AWG
Fine-stranded conductor; with insulated fer- rule	0.25 ... 2.5 mm²
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm²

Physical data	
Width	36 mm / 1.417 inches
Height	140 mm / 5.512 inches
Depth	63 mm / 2.48 inches
Note (dimensions)	Height without cover: 97 mm

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

Material data	
Housing material	PC 940A
Weight	165 g

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

Standards and Specifications	
Conformity marking	CE
Standards/specifications	EN 50470-1/3
Accounting guideline	MID

Commercial data	
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	CN
Customs tariff number	90283019000

Product Classification	
UNSPSC	41113630
ETIM 9.0	EC001102
ETIM 10.0	EC001506
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates	
Declarations of conformity and manufacturer's declarations	

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 879-3040	

Documentation			
Manual		Bid Text	
Product Manual WAGO Energy Meters (MID)	V 1.8 13.02.2026	pdf 4367.28 KB	
		879-3040	
		xml 6.84 KB	
		879-3040	
		docx 29.50 KB	
		ausschreiben.de 879-3040	

Instruction Leaflet			
Energy consumption me- ter	V 1.15 16.02.2022	pdf 934.38 KB	

Application Notes

Application Note e!COCKPIT			
e!COCKPIT Application Note WagoAppPower- Measurement	2021-11-08 06.12.2021	pdf 930.71 KB	

CAD/CAE-Data

CAD data	CAE data
2D/3D Models 879-3040 	EPLAN Data Portal 879-3040 
	ZUKEN Portal 879-3040 

1 Compatible Products

1.1 Optional Accessories

1.1.1 Communication

1.1.1.1 Communication Module



[Item No.: 879-9000](#)
Communication module; Modbus TCP

1.1.2 Current transformer

1.1.2.1 Plug-in current transformer



[Item No.: 855-305/300-509](#)
Plug-in current transformer; Primary rated current 300 A; Secondary rated current: 5 A; Rated power: 5 VA; Accuracy class: 0.5; Con-
formity assessed



[Item No.: 855-405/300-509](#)
Plug-in current transformer; Primary rated current 300 A; Secondary rated current: 5 A; Rated power: 5 VA; Accuracy class: 0.5; Con-
formity assessed



[Item No.: 855-305/750-509](#)
Plug-in current transformer; Primary rated current 750 A; Secondary rated current: 5 A; Rated power: 5 VA; Accuracy class: 0.5; Con-
formity assessed



[Item No.: 855-405/750-509](#)
Plug-in current transformer; Primary rated current 750 A; Secondary rated current: 5 A; Rated power: 5 VA; Accuracy class: 0.5; Con-
formity assessed



[Item No.: 855-305/100-209](#)
Plug-in current transformer; Primary rated current: 100 A; Secondary rated current: 5 A; Rated power: 2.5 VA; Accuracy class: 0.5; Con-
formity assessed



[Item No.: 855-305/150-209](#)
Plug-in current transformer; Primary rated current: 150 A; Secondary rated current: 5 A; Rated power: 2.5 VA; Accuracy class: 0.5; Con-
formity assessed



[Item No.: 855-405/200-209](#)
Plug-in current transformer; Primary rated current: 200 A; Secondary rated current: 5 A; Rated power: 2.5 VA; Accuracy class: 0.5; Con-
formity assessed



[Item No.: 855-305/200-509](#)
Plug-in current transformer; Primary rated current: 200 A; Secondary rated current: 5 A; Rated power: 5 VA; Accuracy class: 0.5; Con-
formity assessed



[Item No.: 855-405/250-209](#)
Plug-in current transformer; Primary rated current: 250 A; Secondary rated current: 5 A; Rated power: 2.5 VA; Accuracy class: 0.5; Con-
formity assessed



[Item No.: 855-305/250-509](#)
Plug-in current transformer; Primary rated current: 250 A; Secondary rated current: 5 A; Rated power: 5 VA; Accuracy class: 0.5; Con-
formity assessed



[Item No.: 855-305/400-509](#)
Plug-in current transformer; Primary rated current: 400 A; Secondary rated current: 5 A; Rated power: 5 VA; Accuracy class: 0.5; Con-
formity assessed



[Item No.: 855-405/400-509](#)
Plug-in current transformer; Primary rated current: 400 A; Secondary rated current: 5 A; Rated power: 5 VA; Accuracy class: 0.5; Con-
formity assessed



1.1.2.1 Plug-in current transformer



Item No.: 855-305/500-509

Plug-in current transformer; Primary rated current: 500 A; Secondary rated current: 5 A; Rated power: 5 VA; Accuracy class: 0.5; Conformity assessed



Item No.: 855-405/500-509

Plug-in current transformer; Primary rated current: 500 A; Secondary rated current: 5 A; Rated power: 5 VA; Accuracy class: 0.5; Conformity assessed



Item No.: 855-305/600-509

Plug-in current transformer; Primary rated current: 600 A; Secondary rated current: 5 A; Rated power: 5 VA; Accuracy class: 0.5; Conformity assessed



Item No.: 855-405/600-509

Plug-in current transformer; Primary rated current: 600 A; Secondary rated current: 5 A; Rated power: 5 VA; Accuracy class: 0.5; Conformity assessed