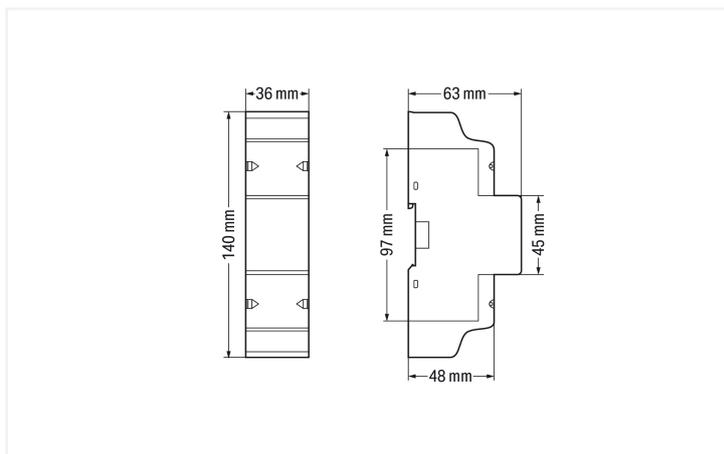
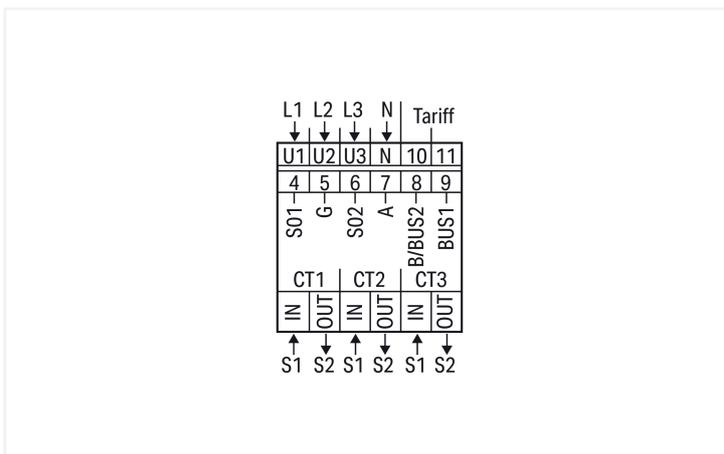
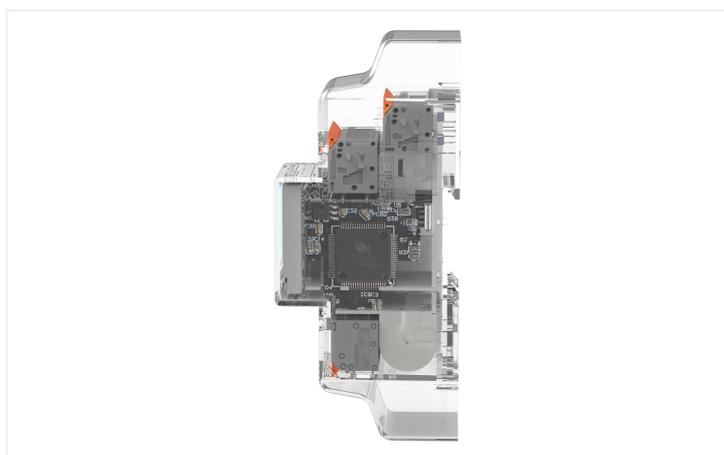
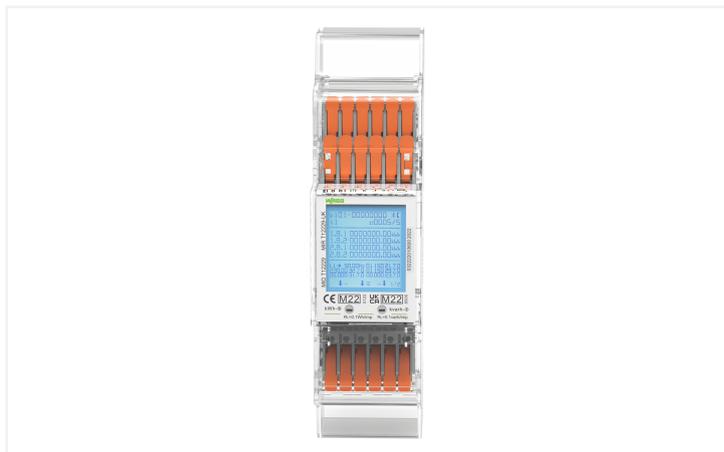


# Data Sheet | Item Number: 879-3040

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		Signal Processing	
Communications	Modbus® M-Bus <i>Bluetooth</i> ®	Measured variables (calculated)	Active and reactive energy in supply and reference direction
Interface	RS-485 (2-wire); 2 x S0 interfaces (configurable)	Measurement type (load profile)	No
Indicators	LCD with backlight	Measured value acquisition	for transformer connection;
Rate control input	230 VAC		

Measurement Error		Power Supply	
Accuracy class	Class B (= 1 % error); Active energy per EN 50470-3	Power supply type	Via measurement circuit
Calibration validity period	8 years	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)
Design	2PU CT

### Connection 1

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 mm <sup>2</sup> / 24 ... 12 AWG
Fine-stranded conductor	0.2 ... 4 mm <sup>2</sup> / 24 ... 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 2.5 mm <sup>2</sup>
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm <sup>2</sup>

### 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 mm <sup>2</sup> / 24 ... 12 AWG
Fine-stranded conductor	0.2 ... 4 mm <sup>2</sup> / 24 ... 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 2.5 mm <sup>2</sup>
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm <sup>2</sup>

## 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
Fire load	0 MJ
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	EC001102
ECCN	NO US CLASSIFICATION

**Environmental Product Compliance**

RoHS Compliance Status	Compliant, No Exemption
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**Approvals / Certificates**

**Declarations of conformity and manufacturer's declarations**

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

**Downloads**

**Environmental Product Compliance**

<b>Compliance Search</b>	
Environmental Product Compliance 879-3040	<a href="#"></a>

## Documentation

Manual			
Product Manual WAGO Energy Meters (MID)	V 1.8 13.02.2026	pdf 4367.28 KB	<a href="#">↓</a>

Bid Text		
879-3040	xml 6.84 KB	<a href="#">↓</a>
879-3040	docx 29.50 KB	<a href="#">↓</a>
ausschreiben.de 879-3040		<a href="#">↓</a>

Instruction Leaflet			
Energy consumption meter	V 1.15 16.02.2022	pdf 934.38 KB	<a href="#">↓</a>

## Application Notes

Application Note e!COCKPIT			
e!COCKPIT Application Note WagoAppPower-Measurement	2021-11-08 06.12.2021	pdf 930.71 KB	<a href="#">↓</a>

## CAD/CAE-Data

CAD data	
2D/3D Models 879-3040	<a href="#">↓</a>

CAE data	
EPLAN Data Portal 879-3040	<a href="#">↓</a>
ZUKEN Portal 879-3040	<a href="#">↓</a>

## 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; Conformity 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; Conformity 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; Conformity 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; Conformity 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; Conformity 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; Conformity 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; Conformity 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; Conformity 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; Conformity 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; Conformity 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; Conformity 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; Conformity assessed

**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