



CEM-M-ETH, Communication module

Code: Q23403.

> Protocol: Modbus/TCP> Communications: Ethernet

Description

CEM-M are interchangeable communication modules for the **CEM-C** energy meters assembled on DIN rails. These modules can increase the performance of the energy meters, so that any meter can be adapted to the communication systems in place in the installation.

Energy management systems require the use of meters that comply with international measurement regulations, but which can also be integrated with the standard communication protocols used in buildings. The **CEM-M** range allows the user to install the **CEM-C** meter that is best suited to the installation (single-phase, direct three-phase or indirect three-phase), subsequently adding the most adequate **CEM-M** module, in accordance with the communications protocol.

The following can be performed with the modular system, among other actions:

- o Selecting the energy meter and subsequently adding the communication systems required by the BMS.
- Reducing the stock of references, since the meter should not be replaced, regardless of whether the client chooses to read the meter remotely or not and to do so with a specific protocol.

Application

- Redundant meter to verify energy allocated by the energy distributor.
- Reporting of energy consumption to a remote system (PLC/BMS).
- o Cost control to obtain a consumption/unit ratio in industrial processes.
- Phase and three-phase electrical parameter (V, A, kW, kWh, PF, etc.) display.







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Specifications

CAT III 300 V 2.4 2.7 VA	
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50 / 60 Hz	
230 V ~ ±20 %	
35 x 90 x 61 (mm)	
0,1	
IP 51 (installed) IP 40 (terminal area)	
5 95 %	
-35 +80 °C	
-25 +70 °C	
4 kV RMS 50 Hz durante 1 min	
Modbus TCP	
Ethernet	
2000	
IEC 61010-1, IEC 61000-6-2, IEC 61000-6-3	
3 LED: POWER-LINK-LINK/ACT	
Modbus RTU	

CEM-M

Comunication module







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CODE	TYPE	Communications	Protocol
Q23100.	CEM-M-RS485	RS-485	Modbus/RTU
Q23403.	CEM-M-ETH	Ethernet	Modbus/TCP

Compatible with CEM-C10 and CEM-C21/C31 meters without built-in RS-485 communications







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Dimensions



