

CEM-M

Communication modules for CEM meters, assembly on DIN rail



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:

- 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.

Applications

- Integrating energy measurements in BMS or PLC systems
- Exchanging protocols without needing to replace the energy meter
- Supervising and controlling energy efficiency in buildings that have a BMS or an existing management system.

Technical features

Power circuit	Rated voltage	230 Vac / 127 Vac
	Tolerance	± 20%
	Frequency	50 / 60 Hz
	Maximum power consumption	4 VA
Environmental features	Operating temperature	-25 °C...+70 °C
	Relative humidity	5%...95% without condensation
	Maximum altitude	2,000 m
Mechanical features	Protection degree	IP 51 Installation / IP 40 Terminals
	Dimensions	35 x 90 x 61 mm
	Weight	115 g
	Material	ABS + V0 self-extinguishing polycarbonate
Standards	EN 55022, EN 61000-4-11, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8	

OSC





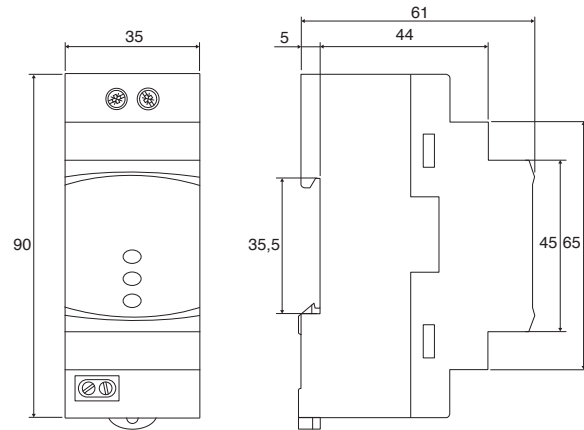
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References

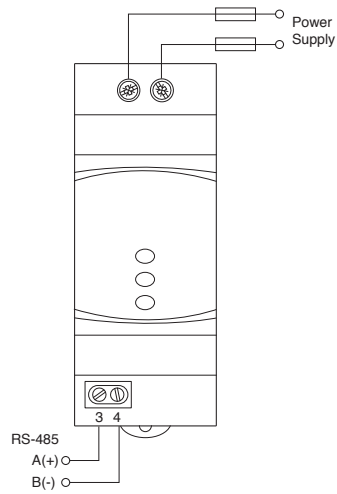
Type	Code	Communications	Port
CEM-M-RS-485	Q23100	Modbus/RTU	RS-485
CEM-M-ETH	Q23400	Modbus RTU/TCP	Ethernet

Dimensions



Connections

CEM-M-RS-485



CEM-M-ETH

