



CEM-C6

CEM-C6, Single-phase energy meter, direct connection

Code: Q26112. (CONSULTAR DISPONIBILIDAD)

- > Protocol: Modbus/RTU
- > Módulos: 1
- > Certification: IEC
- > Communications: RS-485
- > System: Single-phase
- > Measure: Direct
- > Measurement Range (V): 1 x 230
- > Measurement Range (A): 10 (100) A
- > Quadrants: 4

Description

CEM-C6 is a single-phase electrical energy meter that can measure up to 100 A, is capable of measuring energy in two directions and has Class 1 accuracy. In addition, the meter features a built-in RS-485 / Modbus RTU communication system.

Other features:

- Complies with the **IEC 62052-11** and **IEC 62053-21** standards (general and specific requirements of measuring units)
- Compact dimensions (1 DIN rail module, 18 mm)
- Backlit LCD display (6 digits) with a scrolling screen system used to display the electrical parameters (V, A, kW, kvar, kVA, kWh and $\cos \varphi$).

Application

- Measurement of the consumption of electricity in buildings, machinery or the tertiary sector.
- Control of consumption with a multi-tariff function, to measure the consumption of each period
- Energy consumption is reported to a remote system.



CEM-C6

Single-phase electrical energy meter, for assembly on DIN Rail

Code: Q26112.

Specifications

AC power supply

| | |
|-----------------|---------|
| Nominal voltage | 230 V ~ |
|-----------------|---------|

Mechanical characteristics

| | |
|----------------------------------|------------------------|
| Size (mm) width x height x depth | 18 x 90 x 72 (mm) |
| Envelope | ABS, PC alloy material |
| Weight (kg) | 0,1 |

Environmental characteristics

| | |
|--|----------------|
| Protection class | IP 51 |
| Relative humidity (without condensation) | 95 % |
| Working temperature | -20 ... +65 °C |

Current measurement circuit

| | |
|----------------------|-------|
| Nominal current (In) | 10 A |
| Maximum current | 100 A |

Voltage measurement circuit

| | |
|-----------------------------------|---|
| Nominal frequency | 50 / 60 Hz. |
| Maximum input voltage consumption | $\leq 8 \text{ VA}$, $\leq 0,4 \text{ Wh}$ |

User interface

| | |
|---------------|-----------------------------------|
| LED | 1000 imp / kWh (amplitude: 90 ms) |
| Keyboard | 1 Keys |
| Display type | LCD |
| Maximum value | 99999,9 kWh |

Measurement accuracy

| | |
|---------------------------------|------------------------|
| Active energy measurement (kWh) | Class 1 (IEC 62053-21) |
|---------------------------------|------------------------|

Serial communication

| | |
|-------------------|------------|
| Protocol | Modbus RTU |
| Technology / Type | RS-485 |

Frequency: 50/60 Hz. Parameters: V, A, kW, kVA, kWh, cos phi



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Dimensions



Connections

