

CEM-C5

Single-phase active energy meter for assembly on DIN Rail



Description

CEM-C5 is a single-phase active energy meter (kWh) that can measure up to 50 A. The unit can measure energy in one direction (Absolute Measurement) with **Class 1** accuracy. It also features an integrated digital output for generating impulses depending on the energy measured.

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 (7 digits)
- Sealable (anti-fraud).

Applications

- Measurement of the consumption of electricity in buildings, machinery or the tertiary sector.
- Energy consumption is reported to a remote system.

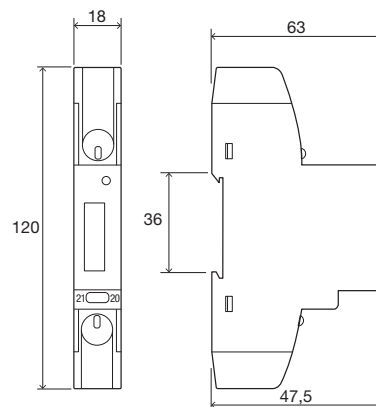
Technical features

Power circuit	Rated voltage	230 V _{ac}
	Frequency	50...60 Hz
	Consumption	0.4 Wh / ≤ 8 VA
Voltage measurement circuit	Connection	Single-phase
	Reference voltage	230 V _{ac}
	Frequency	50 / 60 Hz
Current measurement circuit	Self-consumption	0.4 Wh / ≤ 8 VA
	Nominal current I _n	5 A
	Maximum current	50 A
Impulse output	Self-consumption	< 0.1 % of I _n
	Type	Optocoupled
Accuracy	Electrical features	12...27 Vdc / ≤ 27 mA
LED constant	Active energy	Class 1 (IEC 62053-21)
Environmental features	1000 imp/kWh	
	Operating temperature	-25...+55°C
	Relative humidity	95% without condensation
	Maximum altitude	2000 m
Build features	Enclosure material	ABS + Self-extinguishing polycarbonate
	Protection degree	IP 51 Installed
	Dimensions	18 x 120 x 63 mm
	Weight	72 g
	Standard	IEC 62052-11, IEC 62053-21

References

Type	Code	Description
CEM-C5	Q25112.	Single-phase electrical energy meter for assembly on DIN Rail

Dimensions



Connections

