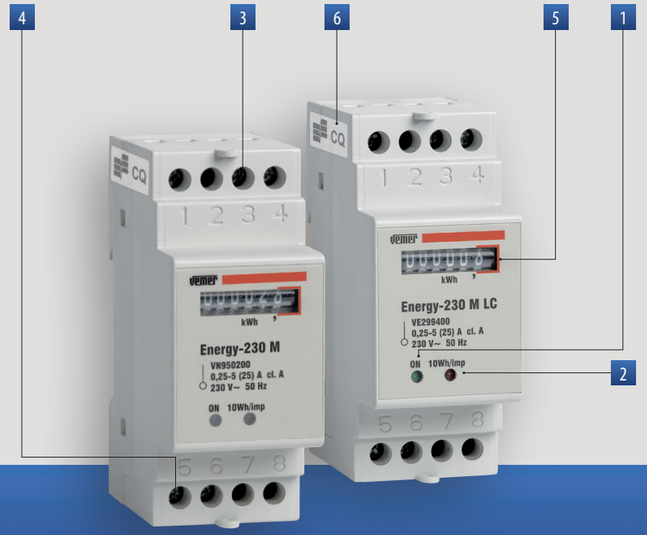
ENERGY-230 M
ENERGY-230 M LC

Static energy meters to view the consumption of active energy in 230 V single-phase systems. Complies with the MID directive.

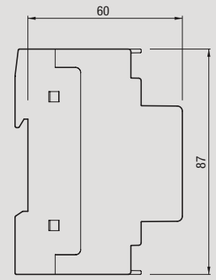


1 1 Green Led on: power on
2 "Flashing" Red LED:
active energy consumption
Every flash = 10 Wh
3 Terminal blocks for the insertion of measurement leads
4 Terminal blocks for pulse output (Energy-230 M only)
5 Energy meter counter
6 MID metrological instrument seal

DIMENSIONS (mm)

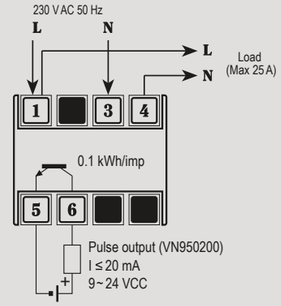
Front view

Side view



CONNECTION DIAGRAM

Diagram



DIRECT CONNECTION
MID SINGLE-PHASE METERS

- Power supply: 230 V AC (-15% ÷ +10%)
- Mounting: DIN rail
- Class index: A
- Max measureable current: 25 A
- Static meter with direct connection max 25 A
- Non zeroable electromechanic 5 digits + decimal numerator
- Active energy consumption indication 1 LAMP = 10 Wh
- Format 2 DIN modules
- Pulse output for PC visualising (Energy-230 M only), using special software and relative receiver module for consumed energy

Code	Model	Description	Dimensions
VN950200	Energy-230 M	MID single-phase energy meter with pulse output	2 DIN modules
VE299400	Energy-230 M LC	MID single-phase energy meter	2 DIN modules

GENERAL CHARACTERISTICS

Power supply		V AC	230 (-15 ÷ +10%)
Frequency		Hz	50
Electromechanic numerator			5 digits + decimal
Reading resolution		kWh	0.1
Class index			A
Absorption	Voltmetric circuit	VA	4
	Amperometric circuit	VA	2
Reference current		A	5
Maximum current		A	25
Starting current		mA	20

Optoisolated pulse output*	Pulse weight	kWh	0.1
	Pulse duration	ms	100 (±15%)
	Pulse voltage	V DC	9 ÷ 24 (±15%)
	Maximum output energy	mA	<20
Operating temperature		°C	-10 ÷ +55
Storage temperature		°C	-25 ÷ +70
Container			2 DIN modules
Humidity			10 ÷ 90% non condensing
Degree of protection			IP20 / 51 frontal

* Energy-230 M model only

REFERENCE STANDARDS

Compliance with Community Directive: 2004/22/EC (MID)
is declared in reference to the following harmonised Standards: EN 50470-1 and EN 50470-3