

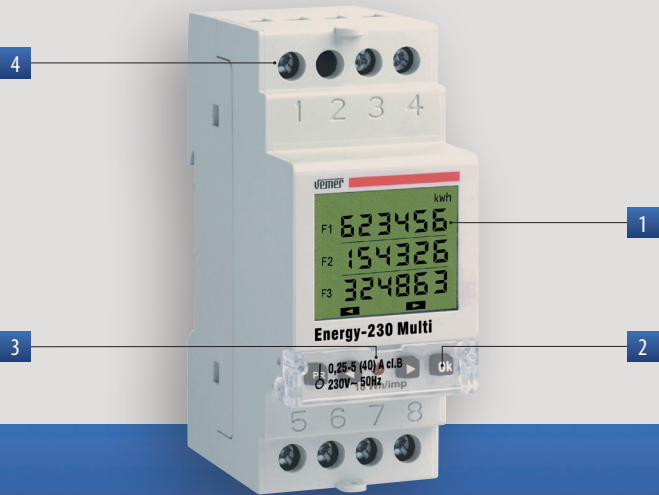
Energy meters

ENERGY-230 MULTI

DIMENSIONS (mm)

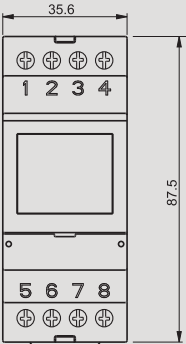
CONNECTION DIAGRAM

Active energy meter for single-phase 230 Vac systems designed for displaying consumption divided into time bands as required by the authority for electricity.

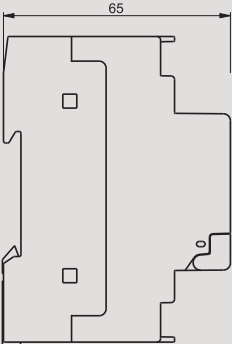


- 1 Wide display for displaying of measured consumptions, divided into time bands
- 2 Keyboard for parameters setting and to scroll the various menu pages
- 3 Energy metering indication led (1 flash = 10 Wh) or incorrect connection signalling
- 4 Terminal blocks for the connection of power supply and of load

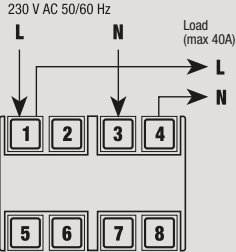
Front view



Side view



Diagram



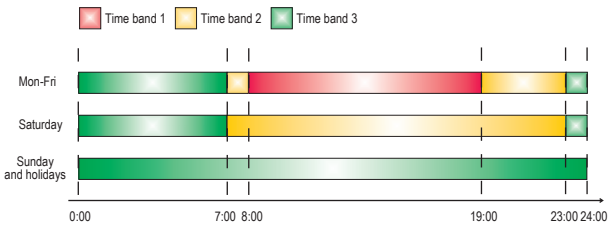
MEASUREMENT AND CONTROL

TECHNICAL INFORMATION

DIRECT CONNECTION SINGLE-PHASE METER

- Power supply 230 V AC (-15% ÷ +10%) 50 Hz
- Display for the view of the total consumed energy, of partials for each time band, date and time and cost, for each time band, of consumed energy (if the unit value has been inserted)
- Total not resettable counter (full scale 99999.99)
- Total partial counter (resettable) more 3 partial counters for 3 time bands
- Direct connection max 40 A
- 2 DIN modules format
- Password protected lock keypad
- Precision: class B
- Sealable cover
- Sealable block cover (cover included in the package)

Division of time bands as established by the authority for electricity



GENERAL CHARACTERISTICS

Power supply	V AC	230 (-15 ÷ +10%)
Frequency	Hz	50
Absorption	VA	5
Starting current I _{st}	mA	20
Minimum current I _{min}	A	0.25
Nominal current I _{ref}	A	5
Maximum current I _{max}	A	40
Signalling led	Green = powered Red = flashing with frequency 10 Wh	
Precision	Class B	

Current circuit power consumption	VA	<4
Total energy resolution	kWh	0.1
Partial energy resolution	kWh	0.1
Operating temperature	°C	-10 ÷ +45
Storage temperature	°C	-25 ÷ +70
Humidity	10 ÷ 90% non condensing	
Container	2 DIN modules	
Protection degree	IP20 / 51 Frontal	

Code	Model	Description	Dimensions
VE429700	Energy-230 Multi	Active single-phase energy meter to multi-times pricing	2 DIN modules

REFERENCE STANDARDS

Compliance with Community Directives: 2006/95/EC (Low voltage) and 2004/108/EC (E.M.C.)
is declared with reference to the following standards: • Safety: EN 61010-1 • E.M. Compatibility: EN 61000-6-2 / EN 61000-6-4 • Metrological requirements EN 50470-1 / EN 50470-3