Energy meters

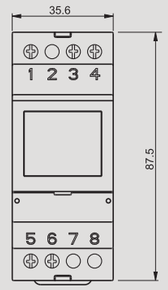
ENERGY-230 D40

Active energy meter for single-phase 230 Vac systems designed to read the energy withdrawn and injected in the network.

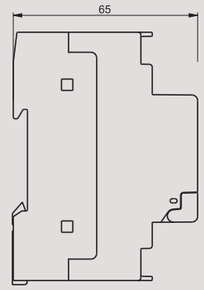
1 Wide display for displaying the withdrawn and the injected energy
2 Keypad for parameters setting and for menu pages scrolling
3 Energy metering indication led (1 flash = 10 Wh)
4 Terminal blocks for the connection of power supply and of load
5 Terminal blocks for pulse output

DIMENSIONS (mm)

Front view

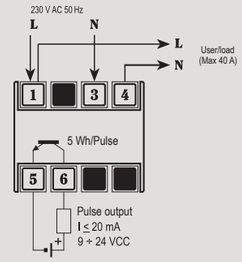


Side view



CONNECTION DIAGRAM

Diagram



DIRECT CONNECTION SINGLE-PHASE METERS FOR WITHDRAWN AND INJECTED ENERGY

- Power supply 230 V AC (-15% ÷ +10%) 50 Hz
- Direct connection max 40 A
- Container 2 DIN modules
- Precision: class B
- Sealable cover
- Cover for terminals (cover included in the package)
- 6 independent meters for the following measures:
  - total energy, partial energy, withdrawn istantaneous power
  - total energy, partial energy, injected istantaneous power

Code	Model	Description	Dimensions
VE429710	Energy-230 D40	Single-phase active energy meter	2 DIN modules

TECHNICAL INFORMATION

GENERAL CHARACTERISTICS

Power supply	V AC	230 (-15 ÷ +10%)
Frequency	Hz	50
Power consumption	VA	5
Starting current I_{st}	mA	20
Minimum current I_{min}	A	0.25
Reference current I_{ref}	A	5
Maximum current I_{max}	A	40
Signalling LED		Red = flashing with frequency 10 Wh
Precision		Class B

Current circuit power consumption	VA	<4
Total energy resolution	kWh	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
Degree of protection		IP20 / 51 on the front
Optoisolated pulse output		
Pulse weight	kWh	5
Duration	ms	100
Voltage	V DC	9 ÷ 24
Current	mA	<2

REFERENCE STANDARDS

Compliance with Community Directives: 2014/35/EU (LVD) and 2014/30/EU (EMCD)
is declared with reference to the following Standards: EN 61010-1 • EN 61000-1 • EN 50470-0 / EN 50470-3