

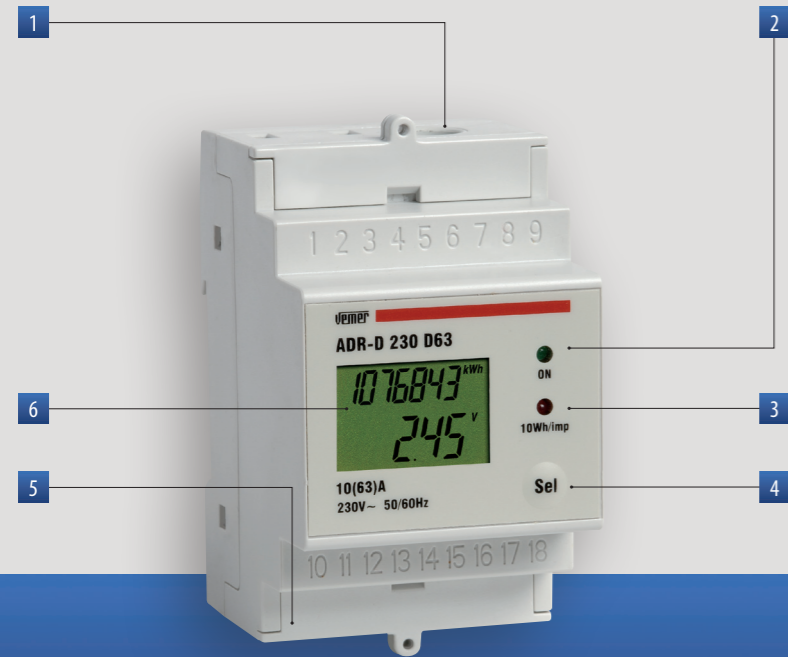
# Network analyzers

## ADR-D 230 D63

### DIMENSIONS (mm)

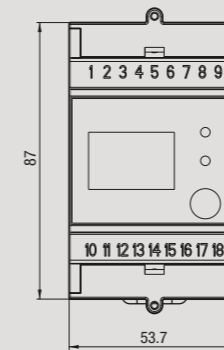
### CONNECTION DIAGRAM

The ADR-D 230 D63 instrument is a single-phase network analyzer for true r.m.s. measurements (TRMS). It is characterised by the fact that the current cable passes through the instrument without any wiring to terminals.

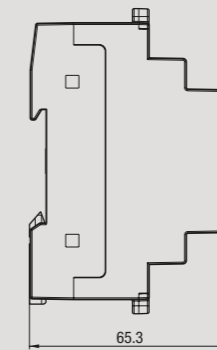


- 1 Through hole for the current cable
- 2 Green LED indicating the connection to the mains
- 3 Red LED indicating active energy consumption
- 4 Button for pages scrolling and basic settings
- 5 Terminals for pulse output connection
- 6 Backlit display to view the electric measurements

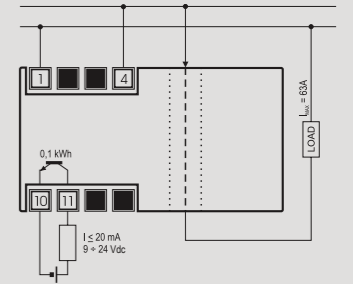
#### Front view



#### Side view



#### Diagram



## MEASUREMENT AND CONTROL

### TECHNICAL INFORMATION

#### ADR SINGLE-PHASE DIRECT CONNECTION

- Measurement and display of the measurements of a single-phase system: voltage, current, active power, power factor, frequency, active energy
- Power supply shared with the voltage cable
- Direct connection of the voltage cable
- Direct connection of the current cable via through hole (diam. 12.5 mm - max section of the cable 25 mm<sup>2</sup>)
- View via 5+7 digits LCD display
- Zeroable partial energy meter
- Timed or disable backlighting
- Pulse output for energy remote count
- Energy meter in class 1
- Overage indication
- Failure connection indication

#### GENERAL CHARACTERISTICS

Input voltage supply	V AC	230 (-15 ÷ +10%)
Frequency	Hz	50 / 60
Absorption	VA	4
Voltage precision	V	± 1
Maximum current	A	63
Current resolution	A	0.01
Current precision		0.5% of the full scale + 1 digit
Power precision		± 1% of the full scale ± 1 digit (f.s. = kW)
Power factor precision		± 1% ± 1 digit
Frequency precision	Hz	± 0.1
Active energy precision		Class 1
Power factor		± 1% ± 1 digit

Operating temperature	°C	-10 ÷ +45
Storage conditions	°C	-20 ÷ +60
Installation		DIN-rail (omega bar)
Container		3 DIN modules
Degree of protection		IP20 / 51 on the front
Terminal 1-4 (voltage)		2.5 mm <sup>2</sup> terminal block
Optoisolated pulse output		100 ms / 9 ÷ 24 V CC / I <sub>max</sub> = 20 mA
Humidity		20 ÷ 90% RH non condensing
Amperometric connection		hole diam. 12.5 mm max section 25 mm <sup>2</sup>

Code	Model	Description
VE035200	ADR-D 230 D63	Single-phase network analyzer 63 A direct connection

#### 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