ADR-D 230 D63

VE035200



Single-phase DIN-rail network analyser (3 modules), 230 Vac supply, direct connection 63 A. Designed for TRMS measurement of electrical parameters in single-phase systems: voltage, current, active power, power factor, frequency, active energy. The current conductor is passed through the device without the need for wiring to the terminals.

General features

- Through-hole for current-carrying conductor
- Green LED to indicate mains connection
- Red LED to indicate active power consumption
- Key for page scrolling and basic settings
- Terminals for connecting the pulse output
- Backlit display for visualisation of electrical quantities
- Measurement and display of single-phase system parameters: voltage, current, active power, power factor, frequency, active energy
- Power supply shared with voltage conductors
- Direct voltage conductor insertion
- Direct current conductor insertion via through hole (diameter 12.5 mm – max conductor cross-section 25 mm²)
- Displaying via 5 + 7 digit LCD display
- Resettable partial energy meter
- Backlighting with timer or deactivation option
- Pulse output for remote energy counting
- Class 1 energy meter
- Out-of-scale indication
- Connection error signal

Technical specifications

Power supply	
Power supply	230 Vac (-15% ÷ +10%)
Frequency	50 / 60 Hz
Absorption	4 VA
Measure	
Current display resolution	10 mA
Current measurement accuracy	0.5% of full scale + 1 digit
Voltage measurement accuracy	± 1 V
Frequency measurement accuracy	± 0,1 Hz

Vemer S.p.A. declines all responsibility for the use of the products for purposes other than those for which they are intended, as indicated in the technical documentation. Vemer S.p.A. reserves the right to make, without prior notice, such changes as may, in its sole discretion, improve the technical and functional characteristics of the products and the related production logic. The technical characteristics and images of the products indicated are given for information only and are not binding in any way, since they may be modified without prior notice.

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Measure	
Power factor measurement accuracy	± 1% ± 1 digit
Active power measurement accuracy	± 1% full scale ± 1 digit (f.s. = kW)
AC current range	63 A
AC voltage range	265 V
Type of insertion - current	Direct through through-hole
Type of insertion - voltage	Direct
Operating conditions	
Operating temperature range	-10 ÷ 45 °C
Relative humidity	20% ÷ 90% non-condensing RH
Storage temperature range	-25 ÷ 70 °C
Viewing	
Display	Backlit LCD
Digits number	5 + 7
Outputs	
Optoisolated pulse output	✓
Pulse duration	100 ms
Pulse output current	20 mA
Output pulse voltage	9 ÷ 24 Vdc
Terminations	
Termination type	Terminal blocks
Maximum cable cross-section	(voltage input) 2.5 mm² (current input) 25 mm² (pulse output) 2.5 mm²
Mechanical features	
Protection degree	IP20 IP51 (on the front)
Overall dimensions	
Height (A)	87 mm
Width (B)	54 mm
Depth (C)	65 mm

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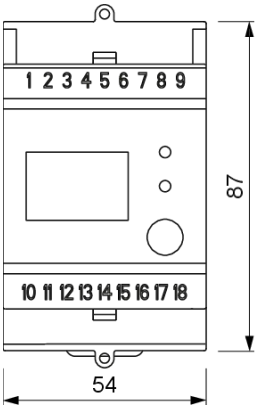
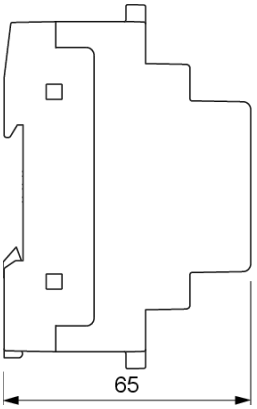
Dimensions

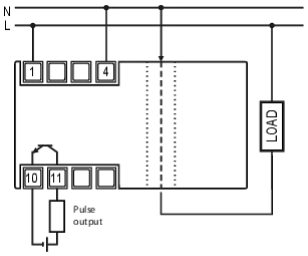
Front View



Side View



Wiring diagram



Reference standards

Compliance with Community Directives:

• 2014/35/UE (LVD) • 2014/30/UE (EMCD) • 2011/65/UE e 2015/863/UE (ROHS)

is declared with reference to the following Standards:

• EN 61010-1 • EN IEC 61000-6-2 • EN IEC 61000-6-3 • EN IEC 62052-11 • EN IEC 62053-21 • EN IEC 63000

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