



CVM-NET4+-ITF-MC-RS485-C4

CVM-NET4+-ITF-MC-RS485-C4, Power analyzer

Code: M55782.

- > Protocol: Modbus/RTU
- > Communications: RS-485
- > Transistor output: 4
- > Harmonics: 15
- > Input current: .../250 mA
- > Mounting: DIN rail

Specifications

AC power supply

Installation category	CAT III 300 V
Consumption	6 VA
Frequency	50...60Hz
Nominal voltage	85...265 Vc.a.

DC power supply

Installation category	CAT III 300 V
Consumption	6 W
Nominal voltage	95...300 Vdc

Mechanical characteristics

Size (mm) width x height x depth	105 x 90 x 70 (mm)
Envelope	Self-extinguishing V0 plastic
Fastening	DIN rail 46227 (EN 50022)
Weight (kg)	0,234

Environmental characteristics

Protection class	IP 51 (Front), IP 31 (unmounted)
Relative humidity (without condensation)	5...95%
Working temperature	-10...+50 °C

Standards

Certifications	UL, VDE
Electrical safety, Maximum height (m)	2000
Electrical safety, Installation category	CAT III 300V / 520V, IEC 61010
Standards	IEC 664, VDE 0110, UL 94, IEC 801, IEC 348, IEC 571-1, EN 61000-6-3,EN 61000-6-1, EN 61010-1, EN 61000-4-11, EN 61000-4-3, EN 61000-4-3,EN 61000-4-4, EN 61000-4-5, EN 55011

Current measurement circuit

Installation category	CAT III 300 V
Nominal current (In)	.../250 mA
Phase current measuring range	0...250 mA



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Permanent overload	1.3 In
Maximum input current consumption	0,18 VA x 4 channels
Maximum pulse current	In x 1.3
Minimum current measurement	3 mA

Voltage measurement circuit

Installation category	CAT III 300 V
Input impedance	0.4 MΩ
Frequency measuring range	45 ... 65 Hz
Nominal voltage	300V Ph-N, 520V Ph-Ph
Maximum input voltage consumption	0,7 VA
Minimum measurement voltage (Vstart)	5 V~

Communications

Fieldbus	RS-485
Protocol	ModBus RTU
Speed	9600 - 19200 - 38400 - 57600

Electrical safety

Insulation	Double-insulated electric shock protection class II (IEC 61010-1)
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Digital transistor outputs

Pulse width	100 ms
Quantity	4
Type	NPN
Maximum frequency	5 imp / s
Maximum current	50 mA
Maximum voltage	24 Vdc

Measurement accuracy

Current measurement sensors	External transformers
Voltage measurement sensors	Direct voltage
Phase voltage measurement	0,50%

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Dimensions



Connections

