



Line-CVM-D32

Line-CVM-D32, Power analyzer

Code: M58100.

- > Protocol: Modbus/RTU
- > Communications: RS-485 | Bus-Line
- > Transistor output: 2
- > Measuring current Channels: 3
- > Harmonics: 40
- > Input current: .../5 A | .../1 A | .../250 mA
- > Mounting: DIN rail

Specifications

AC power supply	
Installation category	CAT III 300 V
Consumption	3 ... 8 VA
Frequency	50 ... 60 Hz
Nominal voltage	80 ... 264 V ~
DC power supply	
Installation category	CAT III 300 V
Consumption	2 ... 3 W
Nominal voltage	100 ... 300 Vdc
Mechanical characteristics	
Size (mm) width x height x depth	52.5 x 118 x 70 (mm)
Envelope	Self-extinguishing V0 plastic
Fastening	DIN rail (IEC 60715)
Weight (kg)	0,228
Environmental characteristics	
Protection class	IP30, Front: IP40
Relative humidity (without condensation)	5 ... 95%
Storage temperature	-20 ... +70 °C
Working temperature	-10 ... +50 °C
Standards	
Certifications	UL 61010-1
Electrical safety, Maximum height (m)	2000
Standards	UNE-EN 61010-1, UNE-EN 61010-2-30, UNE-EN 61326-1
Current measurement circuit	
Installation category	CAT III 300 V
Nominal current (In)	.../5 A, .../1 A, .../0.250A (transformers type MC)
Phase current measuring range	(In: .../5 A): 0.01 ... 10 A(In: .../1 A): 0.01 ... 2 A(In: .../0.250 A): 0.01 ... 0.5 A



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Maximum input current consumption	0.9 VA
Maximum pulse current	100 A (< 1s)
Minimum current measurement	0.01 A

Voltage measurement circuit

Installation category	CAT III 300 V
Input impedance	1 MΩ
Voltage measuring range	20 ... 300 V~
Nominal voltage	300 V Ph-N / 520 V Ph-Ph
Minimum measurement voltage (Vstart)	10 V ac

Communications

Fieldbus	RS-485
Protocol	Modbus/RTU
Speed	9600-19200-34800-57600-76800-115200 bps

User interface

LED	2 LED
Keyboard	3 keys
Display type	TFT RGB 1.77" 160x128 pixel

Digital transistor outputs

Pulse width	1 ms
Quantity	2
Type	Optocoupler NO
Maximum frequency	500 Hz
Maximum current	120 mA
Maximum voltage	48 Vcc

Measurement accuracy

Frequency measurement	.../5A (Class 0.1 % for three-phase and phase values), Class 0.1 % (.../1A, .../0.250A)
Phase current measurement	.../5A, .../1A (class 0.2 % for three-phase and phase values), ... / 0.250 A (class 1 % for I ≥ 20 % In, for three-phase and phase values)
Reactive energy measurement (kvarh)	Class 1 (.../5A), Class 2 (.../1A, .../0.250A)
Reactive power measurement (kvar)	.../5A (class 1 % for three-phase and phase values), .../1A (class 1 %), .../0.250A (class 2 %)
Apparent power measurement (kVA)	.../5A (Class 0.5 % for three-phase and phase values), .../1A (Class 1 % for I ≥ 5 % In), ... / 0.250 A (Class 1 % for I ≥ 20 % In)
Active energy measurement (kWh)	Class 0.5S (.../5A), Class 1 (.../1A), Class 1 (.../0.250A)
Active power measurement (kW)	.../5A (Class 0.5 % for three-phase and phase values), .../1A (Class 1 % for I ≥ 5 % In), ... / 0.250 A (Class 1 % for I ≥ 20 % In)
Power factor measurement	.../5A (class 0.5 % for three-phase and phase values), class 0.5 % (.../1A, ...



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	/0.250A)
Phase voltage measurement	.../5A, .../1A, .../0.250A (Class 0.2 % for three-phase and phase values)

Line-CVM-D

CODE	TYPE	Input current	Transistor output	Communications	Protocol
M58100.	Line-CVM-D32	.../5 A .../1 A .../250 mA	2	RS-485 Bus-Line	Modbus/RTU



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Dimensions



Connections

