



CVM-MINI-MC-ITF-RS485-C2, Power analyzer

Code: M52081. DESCATALOGADO

> Protocol: Modbus/RTU
> Insulated input: Yes
> Communications: RS-485
> Transistor output: 2
> Input current: .../250 mA
> Mounting: DIN rail

Description

Three-phase power analyzer (balanced and unbalanced), assembly on DIN rail, with a very compact size, and 4-quadrant measurement.

Other features include:

- Current measurement .../5 or .../1 A or .../250 mA, .../333 mV
- O DIN rail format of only 3 modules
- \circ Assembly on 72 x 72 mm panel with adapter front panel
- o RS-485 Communications (Modbus-RTU) depending on model
- It features two transistor outputs (programmable)
- o With ITF technology: galvanic insulation protection, depending on the type
- Selection of parameters to display
- Selection of the default page
- Universal power supply (optional)
- Sealable

Application

- Control application on switchboards and low and medium voltage connection points, where an analyzer must be installed on a DIN rail due to space restrictions.
- Alarm control. Maximum value, minimum value and programmable delay.
- \circ $\,$ Control of active or reactive energy using the impulse output.
- o Instantaneous data capture, maximum and minimum values of the electrical parameters measured.









Three-phase power analyzer, assembly on DIN rail

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Specifications

Consumption	3 VA		
Frequency	5060 Hz		
Nominal voltage	230 Vc.a.(-15+10%)		
Mechanical characteristics			
Size (mm) width x height x depth	53 x 85 x 85 (mm)		
Envelope	Self-extinguishing V0 plastic		
Fastening	DIN rail 46227		
Weight (kg)	0,178		
nvironmental characteristics			
Protection class	IP 51 (Front), IP 31 (unmounted)		
Relative humidity (without condensation)	595%		
Working temperature	-10+50 °C		
itandards			
Certifications	CE, 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 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 55011		
Current measurement circuit			
Nominal current (In)	In/250 mA		
Phase current measuring range	0,2%120% (ITF)		
Permanent overload	1.2 ln		
Maximum input current consumption	0,18 VA		
oltage measurement circuit			
Frequency measuring range	45 65 Hz		
Nominal voltage	300V Ph-N, 520V Ph-Ph		
Maximum input voltage consumption	0,7 VA		
Electrical safety			
Insulation	Double-insulated electric shock protection class II (IEC 61010-1)		







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Pulse width	100 ms
Quantity	2
Туре	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
Power factor measurement	0,51
Phase voltage measurement	0.5% ± 1 digit

Serial communication

Protocol	ModBus RTU
Technology / Type	RS-485

CVM-MINI

Power analyzer, three-phase DIN rail

CODE	TYPE	Input current	Transistor output	Communications	Protocol
M52021.	CVM-MINI-ITF-RS485-C2	/5 A /1 A	2	RS-485	Modbus/RTU

CVM-MINI-MC units require efficient MC series transformers, which are not included in the price. CVM-MINI-xx-ETH units are only available with a 230 Vac power supply







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Dimensions





