CVM-MINI-MC-ITF-BACnet-C2

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

Code: M520H1. **DESCATALOGADO**

> Protocol: BACnet
> 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
- DIN rail format of only 3 modules
- Assembly on 72 x 72 mm panel with adapter front panel
- RS-485 Communications (Modbus-RTU) depending on model
- It features two transistor outputs (programmable)
- 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.
- Control of active or reactive energy using the impulse output.
- Instantaneous data capture, maximum and minimum values of the electrical parameters measured.

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Specifications

AC power supply

Consumption	3 VA
Frequency	50...60 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)	0,2

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 61000-6-4, EN 61000-6-2, EN 61010-1, EN 61000-4-11, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 55012

Current measurement circuit

Nominal current (In)	In/250 mA
Phase current measuring range	0,2%...120% (ITF)
Permanent overload	1.2 In
Maximum input current consumption	0,9 VA

Voltage 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)

Digital transistor outputs

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Pulse width	100 ms
Quantity	2
Type	NPN
Maximum frequency	5 imp / s
Maximum current	50 mA
Maximum voltage	24 Vdc

Measurement accuracy

Current measurement sensors	Indirect measurement with external transformers
Voltage measurement sensors	Direct voltage or indirect voltage with transformer
Power factor measurement	0,5...1
Phase voltage measurement	0.5% ± 1 digit

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