



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
- 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
- \circ 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.
- O 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

Code: M520H1.

Specifications

AC power supply	
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)	0,2
Environmental characteristics	
Protection class	IP 51 (Front), IP 31 (unmounted)
Relative humidity (without condensation)	595%
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 ln
Maximum input current consumption	0,9 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)
Digital transistor outputs	







Three-phase power analyzer, assembly on DIN rail

Code: M520H1.

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	Indirect measurement with external transformers
Voltage measurement sensors	Direct voltage or indirect voltage with transformer
Power factor measurement	0,51
Phase voltage measurement	0.5% ± 1 digit

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



Page 3 of 4





Three-phase power analyzer, assembly on DIN rail

Code: M520H1.

Dimensions





