



CVM-MINI-ITF-ethernet-C2

Code: M520J1. (CONSULTAR DISPONIBILIDAD)

> Power analyzer

> Protocol: Modbus/TCP> Insulated input: Yes> Communications: TCP/IP

> Input current: .../5 A | .../1 A

> Mounting: DIN rail

> Transistor output: 2

### 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
- o Assembly on 72 x 72 mm panel with adapter front panel
- o RS-485 Communications (Modbus-RTU) depending on model
- o 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)
- o 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.
- $\circ$  Alarm control. Maximum value, minimum value and programmable delay.
- o Control of active or reactive energy using the impulse output.
- $\circ$  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	AC power supply	
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 Fisstening DIN rail 46227 Weight (kg) 0,18  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  Electrical safety, Installation category CAT III 300V / 520V, IEC 61010  Current measurement circuit  Nominal current (in) In/5A, In/1 A Phase current measuring range Q2%120% (ITF)  Permanent overload 1.2 In Maximum input current consumption 0,7 VA  Voltage measurement circuit  Frequency measuring range 45	Consumption	3 VA
Mechanical characteristics  Size (mm) width x height x degth	Frequency	5060 Hz
Size (mm) width x height x depth   53 x 85 x 85 (mm)	Nominal voltage	230 Vc.a.(-15+10%)
Envelope Self-extinguishing VO plastic Fastening DIN rail 46227 Weight (kg) 0,18  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  Current measurement circuit  Nominal current (in) In/5A, In/1 A Phase current measuring range 0,2%120% (ITF) Permanent overload 1,2 In Maximum input current consumption 0,18 VA  Voltage measurement circuit  Frequency measuring range 4565 Hz Nominal voltage consumption 0,7 VA  Communication Network  Connection mechanism RJ-45 Protocol TCP/IP	Mechanical characteristics	
Pasterning	Size (mm) width x height x depth	53 x 85 x 85 (mm)
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Phase current measuring range 0,2%120% (ITF)  Permanent overload 1.2 In  Maximum input current consumption 0,18 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  Communication Network  Connection mechanism RJ-45  Protocol TCP/IP	Current measurement circuit	
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Connection Metwork  Connection mechanism RJ-45 Protocol TCP/IP	Nominal voltage	300V Ph-N, 520V Ph-Ph
Connection mechanism RJ-45 Protocol TCP/IP	Maximum input voltage consumption	0,7 VA
Protocol TCP/IP	Communication Network	
	Connection mechanism	RJ-45
Technology / Type Ethernet	Protocol	TCP/IP
	Technology / Type	Ethernet









Three-phase power analyzer, assembly on DIN rail

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#### Electrical safety

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

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**



