

CVM MINI-ITF-C2



CVM-MINI-ITF-C2

Code: M52011. DESCATALOGADO

- > Power analyzer
- > Insulated input: Yes
- > Transistor output: 2
- > Input current: .../5 A | .../1 A

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.



CVM MINI-ITF-C2

Three-phase power analyzer, assembly on DIN rail

Code: M52011.

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	0 x 85 x 0 (mm)
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)	5...95%
Working temperature	-10...+50 °C

Standards

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/5A, In/1 A
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

Pulse width	100 ms
-------------	--------



CVM MINI-ITF-C2

Three-phase power analyzer, assembly on DIN rail

Code: M52011.

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

Measurement accuracy

Phase voltage measurement	0.5% \pm 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



CVM MINI-ITF-C2

Three-phase power analyzer, assembly on DIN rail

Code: M52011.

Dimensions

