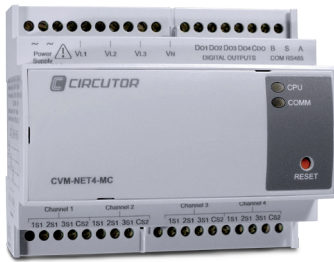


CVM-NET4

Analyzer for 4 three-phase electrical networks, assembly on DIN rail - without display



Description

CVM-NET4-MC is a power analyzer that measures balanced and unbalanced three-phase networks. It has been specifically designed to take measurements from 4 different points of the installation, with a single three-phase voltage input but with 4 three-phase channels for current signal inputs, received from the **MC** efficient current transformers. The data acquired by the analyzer is transmitted via the RS-485 communications bus with the Modbus/RTU protocol to the supervision SCADA.

Its main features include:

- DIN rail format with only 6 modules
- Reads 4 three-phase current channels via efficient current transformers of the MC series (.../250 mA)
- RS-485 Communications (Modbus RTU)
- 4 Programmable digital outputs
- Compatible with **PowerStudio** / **PowerStudio SCADA** / **PowerStudio SCADA Deluxe** software.

Applications

- It can take simultaneous measurements from 4 points of the installation. Ideal for assembling on electric panels (compact dimensions: 6 DIN rail modules)
- Control of active and reactive energy via impulses
- Alarm control. Maximum value, minimum value and programmable delay.

Technical features

Power circuit	Rated voltage	85...265 Vac / 95...300 Vdc
	Power supply frequency	50 - 60 Hz
	Maximum power consumption	6 VA
Measurement circuit	Rated voltage	300 Vac / 520 Vac
	Frequency	45...65 Hz
	Nominal current	I_n / 250 mA
	Permanent overload	1.3 I_n
Accuracy class	Voltage, Current	0.5% + 1 digit
	Active power, Reactive power	1% + 1 digit
	Active energy Reactive energy	1% (Class 1)
Communications	Network protocol	RS-485
	Communications protocol	Modbus / RTU
	Speed	1200 / 2400 / 4800 / 9600 / 19200 bps
	Length	8
	Parity	No parity / even / odd
	Bits of parity	1 / 2
Output transistors	Type: Isolated transistor	Open NPN collector
	Maximum operating voltage	24 Vdc
	Maximum operating current	50 mA
	Maximum frequency	5 imp/s
	Impulse duration	100 ms
Build features	Measurement module	DIN Rail 46277 (EN 50022)
	Number of modules	6
Environmental conditions	Operating temperature	-10 °C...+50 °C
	Protection degree	IP51
	Humidity (non-condensing)	5 ... 95% (non-condensing)
	Maximum altitude	2000 m
Safety	EN 61010 Double-insulated electric shock protection, class II	
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, CE	

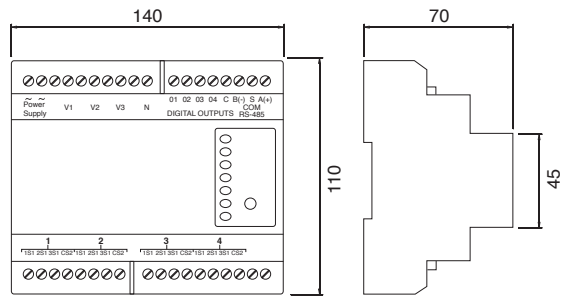
CVM-NET4

Analyzer for 4 three-phase electrical networks, assembly on DIN rail - without display

References

Type	Code	Communications	Transformer
CVM-NET4-MC-RS485-C4 M	M55732	RS-485 Modbus/RTU	.../250 mA (type MC)

Dimensions



Connections

Connection of 4 three-phase channels.

