



CVM-C10-ITF-IN-485-IC2

CVM-C10-ITF-IN-485-IC2, Power analyzer

Code: M55942.

- > Protocol: Modbus/RTU | BACnet
- > Communications: RS-485
- > N° relays: 2
- > Digital inputs: 2
- > Measuring current Channels: 4
- > Harmonics: 31
- > Input current: .../5 A | .../1 A
- > Mounting: Pannel
- > Modules: 96 x 96

Specifications

AC power supply	
Installation category	CAT III 300 V
Consumption	4 ... 6 VA
Frequency	50 ... 60 Hz
Nominal voltage	95 ... 240 V ~ ± 10%
DC power supply	
Installation category	CAT III 300 V
Consumption	2 ... 6 W
Nominal voltage	105 ... 272 Vdc ± 10%
Mechanical characteristics	
Size (mm) width x height x depth	96 x 96 x 60.9 (mm)
Envelope	Self-extinguishing V0 plastic
Fastening	Panel
Weight (kg)	0,322
Environmental characteristics	
Protection class	IP 51 (Front), IP 64 (with accessory), IP 21 (rear)
Relative humidity (without condensation)	5 ... 95%
Storage temperature	-10... +65 °C
Working temperature	-10 ...+60 °C
Standards	
Certifications	UL/CSA 61010-1 3rd edition, UL, VDE
Electrical safety, Maximum height (m)	2000
Standards	UNE EN 61010, UNE EN 61000-6-3, UNE EN 61000-6-1, IEC 664, VDE 0110, UL 94, BS EN 61000-6-2, BS EN 61000-6-4
Current measurement circuit	
Installation category	CAT III 300 V



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Nominal current (In)	.../5A , .../1 A
Neutral current measurement	.../5A , .../1 A
Phase current measuring range	2 ... 120% In
Maximum input current consumption	0,9 VA
Maximum pulse current	100 A
Minimum current measurement	10 mA

Voltage measurement circuit

Installation category	CAT III 300 V
Frequency measuring range	45 ... 65 Hz
Voltage measuring range	5 ...120% Un
Nominal voltage	300V Ph-N, 520V Ph-Ph
Minimum measurement voltage (Vstart)	15 V

Communications

Fieldbus (BACnet)	MS/TP
Fieldbus (ModBus)	RS-485 / RTU
Protocol	ModBus/BACnet
Speed	9600-19200

User interface

LED	3 LED
Keyboard	3 keys
Display type	LCD Custom COG

Digital inputs

Input/output insulation	Optoisolated
Quantity	2
Type	NPN Potential-free contact

Digital relay outputs

Electrical life (at maximum load)	60x10 ³ cycles
Mechanical life	10x10 ⁶ cycles
Maximum switching capacity	1500 VA

Measurement accuracy

Phase voltage measurement	0.5% ± 1 digit
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CVM-C10



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CODE	TYPE	Input current	Transistor output	Nº relays	Digital inputs	Communications	Protocol
M55911.	CVM-C10-ITF-485-ICT2	.../5 A .../1 A	2	2	2	RS-485	Modbus/RTU BACnet
M55921.	CVM-C10-MC-485-ICT2	.../250 mA	2	2	2	RS-485	Modbus/RTU BACnet
M55942.	CVM-C10-ITF-IN-485-IC2	.../5 A .../1 A		2	2	RS-485	Modbus/RTU BACnet
M559210000V00	CVM-C10-mV-485-ICT2	.../333 mV	2	2	2	RS-485	Modbus/RTU BACnet



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Dimensions



Connections

