



CVM-C11-ITF-IN-485-ICT2

CVM-C11-ITF-IN-485-ICT2, Power analyzer 96 x 96

Code: M58541.

- > Protocol: Modbus/RTU | BACnet
- > Communications: RS-485
- > Transistor output: 2
- > N° relays: 2
- > Digital inputs: 2
- > Measuring Channels: 4
- > Harmonics: 31
- > Power supply: 100...270 Vac/dc
- > Input current: .../5 A | .../1 A
- > Mounting: Pannel
- > Modules: 96 x 96

Specifications

AC power supply

Installation category	CAT III 300 V
Consumption	2 ... 5 VA
Frequency	50 ... 60 Hz
Nominal voltage	100 ... 270 V ~ ± 10%

DC power supply

Installation category	CAT III 300 V
Nominal voltage	100 ... 270 Vdc ± 10%

Mechanical characteristics

Size (mm) width x height x depth	96 x 96 x 67.2 (mm)
Envelope	Self-extinguishing V0 plastic
Fastening	Panel
Weight (kg)	0,353

Environmental characteristics

Protection class	IP 54 (Front), IK 08
Relative humidity (without condensation)	5 ... 95%
Storage temperature	-25 ...+75 °C
Working temperature	-25 ...+70 °C

Standards

Certifications	UL 94
Electrical safety, Maximum height (m)	2000
Electrical safety, Installation category	CAT III 300 V
Electrical safety, Contamination level/class	Pollution resistance 2
Standards	EN IEC 61326-1, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11, EN 61010-2-030, EN IEC 61557-12, EN



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61010-1, UNE-EN 60068-2-2, UNE-EN 60068-2-1, UNE-EN 60068-2-78, UL 94

Current measurement circuit

Installation category	CAT III 300 V
Nominal current (In)	5A - .../5A , .../1 A
Minimum current measurement	10 mA

Voltage measurement circuit

Installation category	CAT III 300 V
Input impedance	> 1.7 MΩ
Frequency measuring range	45 ... 65 Hz
Nominal voltage	230V Ph-N, 380V Ph-Ph
Minimum measurement voltage (Vstart)	10 V ~
Maximum value	300 VF-N / 520 VF-F

Communications

Fieldbus (BACnet)	MS/TP
Fieldbus (ModBus)	RS-485 / RTU
Protocol	ModBus RTU / BACnet
Speed	9600-19200-38400 bps (ModBus RTU & BACnet)

User interface

LED	2 LED
Keyboard	3 keys
Display type	LCD Custom COG

Digital inputs

Input/output insulation	2000 V
Quantity	2
Type	NPN

Digital relay outputs

Electrical life (at maximum load)	60x10 ³ cycles
Mechanical life	10x10 ⁶ cycles
Maximum switching capacity	625 VA / 75 W (AC1)

Digital transistor outputs

Pulse width	30 ms a 400 ms (Programmable)
Quantity	2
Type	NPN
Maximum frequency	16 imp / s



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Maximum current	50 mA
Maximum voltage	24 Vdc

Measurement accuracy

Phase current measurement	0.2% (1 ... 120% In)
Reactive power measurement (kvar)	1% ± 2 digit
Active power measurement (kW)	0.5% ± 2 digit
Phase voltage measurement	0.2% (5 ...120% Un)

CVM-C11

CODE	TYPE	Measuring Channels	Input current	Transistor output	Nº relays	Digital inputs	Communications	Protocol	Harmonics	Power supply
M58531.	CVM-C11-ITF-IN-ETH-ICT2	4	.../5 A .../1 A	2	2	2	Ethernet	Modbus/TCP BACnet	31	100...270 Vac/dc
M58541.	CVM-C11-ITF-IN-485-ICT2	4	.../5 A .../1 A	2	2	2	RS-485	Modbus/RTU BACnet	31	100...270 Vac/dc
M58561.	CVM-C11-FLEX-IN-485-ICT2	4	100 mV/kA	2	2	2	RS-485	Modbus/RTU BACnet	31	100...270 Vac/dc
M58581.	CVM-C11-MC-IN-485-ICT2	4	.../250 mA	2	2	2	RS-485	Modbus/RTU BACnet	31	100...270 Vac/dc



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Dimensions



Connections

