



DHC-96 CPM-HS

DHC-96 CPM-HS, digital multimeter 96 x 48, 2 output relays

Code: M223B8.

- > Protocol: Modbus/RTU
- > IP: 54
- > Communications: RS-485
- > N° relays: 2
- > Digital inputs: 2
- > Analog output: 1 (20 mA)
- > System: DC (Hall)
- > Measurement Range (V): $\pm 150 / 300 / 600$ Vdc
- > Measurement Range (A): 4 Vdc
- > Paramètre: V/A/kW/kWh dc
- > Mounting: Pannel
- > Modules: 96 x 48

Specifications

AC power supply

Installation category	CAT III 300V
Consumption	6 ... 18 VA
Frequency	50/60 Hz
Nominal voltage	100...270 V ~

DC power supply

Installation category	CAT III 300 V
Consumption	1.3 ... 2 W
Nominal voltage	100...270 Vdc

Mechanical characteristics

Size (mm) width x height x depth	96 x 49 x 107.8 (mm)
Weight (kg)	0,24

Environmental characteristics

Relative humidity (without condensation)	≤ 93 %
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Current measurement circuit

Installation category	CAT III 600 V
Consumption	< 1 VA
Nominal current (In)	Sensorhalle ± 4 V
Allowable overload	1.2 In continuous

Voltage measurement circuit

Installation category	CAT III 600 V
Consumption	< 1 VA
Input impedance	> 1 M Ω



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Nominal voltage	± 150 / 300 / 600 Vdc
Maximum permanent measurement voltage	1.2 Un continuous

Communications

Protocol	ModBus RTU
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Standards

Electrical safety, Maximum height (m)	2000
Electrical safety, Installation category	CAT III 300 V
Standards	IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11

User interface

Keyboard	4 keys
Display type	LCD 5 digits

Digital inputs

Input/output insulation	2000 V ~
Quantity	2
Type	Potential-free contact
Maximum short-circuit current	3.3 mA dc
Maximum open circuit voltage	17 V dc

Analogue outputs

Quantity	1
Linearity	0.5 %
Current mode: maximum load resistance	350 Ω
Maximum internal voltage	17 V dc

Digital relay outputs

Quantity	2
Maximum current	2.5 A
Electrical life	1 x 10 ⁵
Maximum switching capacity	625 VA

Measurement accuracy

Phase current measurement	Class 0.5
Active energy measurement (kWh)	Class 1
Active power measurement (kW)	Class 1
Phase voltage measurement	Class 0.5



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CODE	TYPE	Protocol	Communications	N° relays	Analog output	System	Measurement Range (V)	Measurement Range (A)	Paramètre	Modules
Multimeter										
M223A8.	DHC-96 CPM	Modbus/RTU	RS-485	2	1 (20 mA)	DC (Shunt)	± 150 / 300 / 600 Vdc	50 / 60 / 75 / 100 / 150 / 200 / 250 / 300 / 400 / 600 mV	V/A/kW/kWh dc	96 x 48
M223B8.	DHC-96 CPM-HS	Modbus/RTU	RS-485	2	1 (20 mA)	DC (Hall)	± 150 / 300 / 600 Vdc	4 Vdc	V/A/kW/kWh dc	96 x 48
M223C8.	DHC-96 CPM 1500	Modbus/RTU	RS-485	2	1 (20 mA)	DC (Shunt)	± 150 / 300 / 600 / 1000 / 1500 Vdc	50 / 60 / 75 / 100 / 150 / 200 / 250 / 300 / 400 / 600 mV	V/A/kW/kWh dc	96 x 48



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Dimensions



Connections

