DHC-96 LVdc

DHC-96 LVdc, digital process indicator 96 x 48. 2 output relays

Code: M22328.

> Protocol: Modbus/RTU
> Scale: ± 10 V
> IP: 54
> Communications: RS-485
> N° relays: 2
> Digital inputs: 2
> Analog output: 1 (20 mA)
> System: DC
> Parameter: Vdc
> Mounting: Pannel
> Modules: 96 x 48

Specifications

AC power supply

Installation category	CAT III 300V
Consumption	3.1 ... 5.4 VA
Frequency	50/60 Hz
Nominal voltage	80...270 V ~

DC power supply

Installation category	CAT III 300 V
Consumption	1.7 ... 1.8 W
Nominal voltage	80...270 Vdc

Mechanical characteristics

Size (mm) width x height x depth	96 x 49 x 89.2 (mm)
Envelope	Polycarbonate + ABS
Weight (kg)	0,2

Environmental characteristics

Protection class	Front: IP54, Rear: IP20
Relative humidity (without condensation)	≤ 95 %
Storage temperature	-40 ... +85 °C
Working temperature	-40 ... +70 °C

Voltage measurement circuit

Installation category	CAT III 300 V
Consumption	< 0.1 VA
Input impedance	> 5 MΩ
Nominal voltage	± 10 V dc
Maximum permanent measurement voltage	1.2 Un continuous, 2 Un instantaneous (1 min)

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Panel-mounted digital instruments

Code: M22328.

Communications

Protocol	ModBus RTU
Speed	2400-4800-9600-19200

Standards

Electrical safety, Maximum height (m)	2000
Electrical safety, Installation category	CAT III 300 V
Standards	IEC 61010-1, 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 Vdc

Analogue outputs

Quantity	1
Linearity	0.5 %
Current mode, nominal range	0 ... 20 mA, 4 ... 20 mA, 4-12-20 mA
Current mode: maximum load resistance	350 Ω
Maximum internal voltage	17 V dc

Digital relay outputs

Quantity	2
Resistive load (max.)	250 Vca / 5 Aca, 30 Vcc / 5 Acc
Maximum current	5 A ~
Maximum open contact voltage	277 V ~
Electrical life	1×10^5
Maximum switching capacity	1385 VA

Measurement accuracy

Phase voltage measurement	0.5 %

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Panel-mounted digital instruments

Code: M22328.

CODE	TYPE	Protocol	Scale	Communications	N° relays	Analog output	System	Paramètre	Modules	Measure	Power supply (Vac)
Voltmeters											
M22318.	DHC-96 Vac	Modbus/RTU	63,5 V / 100 V / 110 V /230 V /380 V /480 V	RS-485	2	1 (20 mA)	AC	V ~	96 x 48		
M22388.	DHC-96 Vdc	Modbus/RTU	± 10 Vdc / ± 24 Vdc / ± 48 Vdc	RS-485	2	1 (20 mA)	DC	Vdc	96 x 48	± 10 Vdc / ± 24 Vdc / ± 48 Vdc	80 ... 270 Vac/Vdc
M22338.	DHC-96 HVdc	Modbus/RTU	± 1500 V	RS-485	2	1 (20 mA)	DC	Vdc	96 x 48		
Ammeters											
M22348.	DHC-96 mVdc	Modbus/RTU	60 mV / 75 mV / 100 mV / 150 mV / 200 mV	RS-485	2	1 (20 mA)	DC	V dc	96 x 48		
M22358.	DHC-96 Aac	Modbus/RTU	1 A~ / 5 A~	RS-485	2	1 (20 mA)	AC	A ~	96 x 48		
M22378.	DHC-96 Adc	Modbus/RTU	1 Adc / 5 Adc	RS-485	2	1 (20 mA)	DC	A dc	96 x 48		
Process indicators											
M22328.	DHC-96 LVdc	Modbus/RTU	± 10 V	RS-485	2	1 (20 mA)	DC	Vdc	96 x 48		
M22368.	DHC-96 mAdc	Modbus/RTU	-20 ... +20 mA / 0...20 mA / 4...20 mA	RS-485	2	1 (20 mA)	DC	mAdc	96 x 48		

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Dimensions

Connections