XPSMCMCO0000PB

Profibus DP diagnostics expansion module with screw term

Green Premium™

Price* : 349.00 GBP

Main

Range of product	Preventa Safety automation
Product or component type	Non-safe communication module
Device short name	XPSMCM
[Us] rated supply voltage	24 V - 20...20 % DC

Complementary

Power dissipation in W	3 W
Quality labels	CE
Range compatibility	Preventa XPSMCM
Connector type	female SUB-D 9
Number of port	1
Method of access	Slave
Transmission rate	500 kbit/s 9.6 kbit/s 19.2 kbit/s 45.45 kbit/s 93.75 kbit/s 187.5 kbit/s 1.5 kbit/s 3 Mbit/s 6 Mbit/s 12 Mbit/s
Communication port protocol	Profibus DP
Current consumption	0.125 mA
Maximum cable distance between devices	1000 m 100 m 1200 m 400 m 200 m
Local signalling	LED green with ON marking for power ON LED green with RUN marking for operating

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Feb 3, 2020

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LED red with E IN marking for internal error
LED red with E EX marking for external error
LED green/red with STS marking for communication status
LED green/red with Mode marking for connection state

Number of terminals	2
Connections - terminals	2 captive screw clamp terminals, removable terminal block 1 captive screw clamp terminals, removable terminal block
Cable cross section	0.2…1.5 mm² - AWG 24...AWG 16 flexible cablewithout cable end 0.2…2.5 mm² - AWG 24...AWG 14 flexible cablewithout cable end 0.25…1 mm² - AWG 23...AWG 18 flexible cablewith cable end, without bezel 0.25…2.5 mm² - AWG 23...AWG 14 flexible cablewith cable end, with bezel 0.25…2.5 mm² - AWG 23...AWG 14 flexible cablewith cable end, without bezel 0.5…1.5 mm² - AWG 20...AWG 16 flexible cablewith cable end, with double bezel 0.2…1 mm² - AWG 24...AWG 18 solid cablewithout cable end 0.2…2.5 mm² - AWG 24...AWG 14 solid cablewithout cable end
Mounting support	Omega 35 mm DIN rail conforming to EN 50022
Width	22.5 mm
Height	99 mm
Depth	114.5 mm
Product weight	0.3 kg

Environment

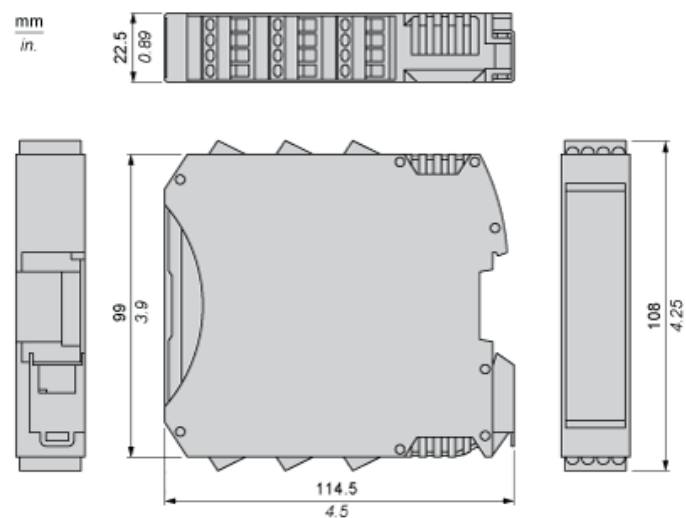|	
Product certifications	TÜV RCM CULus
IP degree of protection	IP20
Ambient air temperature for operation	-10…55 °C
Ambient air temperature for storage	-20…85 °C
Relative humidity	10…95 %
Pollution degree	2
Insulation	250 V AC between power supply and housing conforming to EN/IEC 61800-5-1
Overvoltage category	II
Electromagnetic compatibility	Electrostatic discharge immunity test - test level: 6 kV (on contact) conforming to EN/IEC 61000-4-2 Electrostatic discharge immunity test - test level: 20 kV (on air) conforming to EN/IEC 61000-4-2 Susceptibility to electromagnetic fields - test level: 10 V/m (80...1000 MHz) conforming to EN/IEC 61000-4-3 Susceptibility to electromagnetic fields - test level: 30 V/m (1.4 GHz...2 GHz) conforming to EN/IEC 61000-4-3
Vibration resistance	+/-0.35 mm (f= 10…55 Hz) conforming to EN/IEC 61496-1
Shock resistance	10 gn (duration = 16 ms) for 1000 shocks on each axis conforming to EN/IEC 61496-1
Operating altitude	2000 m
Service life	20 year(s)

Offer Sustainability

Sustainable offer status	Green Premium product
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

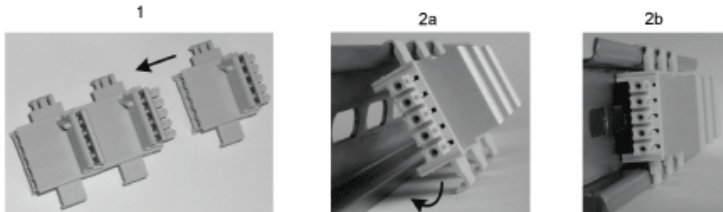|	
Warranty	18 months

XPSMCMCO0000PB

Dimensions
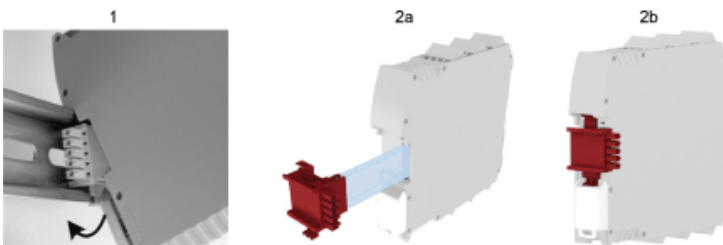
Screw Terminal

Mounting Safety Controller CPU with Module(s)

Mount BackPlane Connector on Rail

1 :   Connect as much Backplane Connector as module to be install.
2 :   Fix the connectors to the rail (Top first).

Mount Safety Controller CPU with Other Module(s)

1 :   Mount controller CPU and modules on rail.
2 :   Make sure that the controller CPU or the module(s) are plugged on the BackPlane connector.
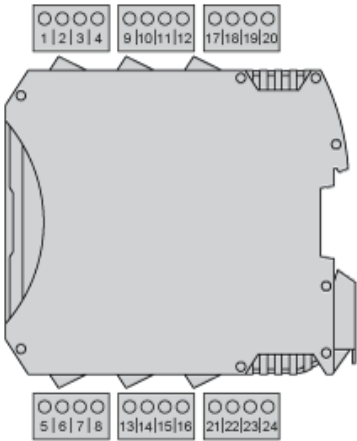
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Connection & Schema

PROFIBUS DP Connector

Description	PBUS (PROFIBUS DP) standard communication device
Wiring	PIN/Signal/ Description 1/ not connected 2/ not connected 3 / B Line / Positive RxD/TxD, RS485 level 4 / RTS / Request to send 5 / GND Bus/ ground (isolated) 6 / +5 V Bus Output / +5V termination power (isolated, short-circuit protected) 7 / not connected 8 / A Line /Negative RxD/TxD, RS485 level 9 / not connected housing / cable Shield / Internally connected to the protective earth via cable shield filters according to the PROFIBUS standard
Data sets	Input status, input diagnostics, fieldbus input status, probe status, safety output status, safety output diagnostics

Wiring

Terminal Designation

Terminal	Signal	Description
1	24 VDC	24 Vdc power supply
2	–	Not connected
3		
4	0 VDC	0 Vdc power supply
5	–	Not connected
6		
7		
8		

Wiring Example