Product data sheet
Characteristics

XPSMCMCO0000CO
CANopen diagnostic expansion , Modicon MCM, screw term

Main

Range of product	Modicon MCM
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	Male SUB-D 9
Number of port	1
Method of access	Server
Transmission rate	10 kbit/s 20 kbit/s 50 kbit/s 100 kbit/s 125 kbit/s 250 kbit/s 500 kbit/s 800 kbit/s 1 Mbit/s Autodetected
Communication port protocol	CANopen
Current consumption	0.125 mA
Maximum cable distance between devices	2500 M 1000 M 750 M 500 M 250 M 100 M 50 M 25 m
Local signalling	LED green with PWR marking for power ON LED green with RUN marking for operating LED red with E IN marking for internal error LED red with E EX marking for external error LED green/red with OP marking for operating LED green/red with ERR marking for communication error
Connections - terminals	2 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
Net weight	0.3 kg

Environment

Product certifications	cULus[RETURN]RCM[RETURN]TÜV
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 IEC 61800-5-1
Overvoltage category	II
Electromagnetic compatibility	Electrostatic discharge immunity test - test level: 6 kV (on contact) conforming to IEC 61000-4-2 Electrostatic discharge immunity test - test level: 20 kV (on air) conforming to IEC 61000-4-2 Susceptibility to electromagnetic fields - test level: 10 V/m (80...1000 MHz) conforming to IEC 61000-4-3 Susceptibility to electromagnetic fields - test level: 30 V/m (1.4 GHz...2 GHz) conforming to IEC 61000-4-3
Vibration resistance	+/-0.35 mm (f= 10…55 Hz) conforming to IEC 61496-1
Shock resistance	10 gn (duration = 16 ms) for 1000 shocks on each axis conforming to IEC 61496-1
Operating altitude	2000 m
Service life	20 year(s)

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.5 cm
Package 1 Width	12.8 cm
Package 1 Length	16.2 cm
Package 1 Weight	212.0 g
Unit Type of Package 2	S01
Number of Units in Package 2	6
Package 2 Height	15.0 cm
Package 2 Width	15.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	1.513 kg

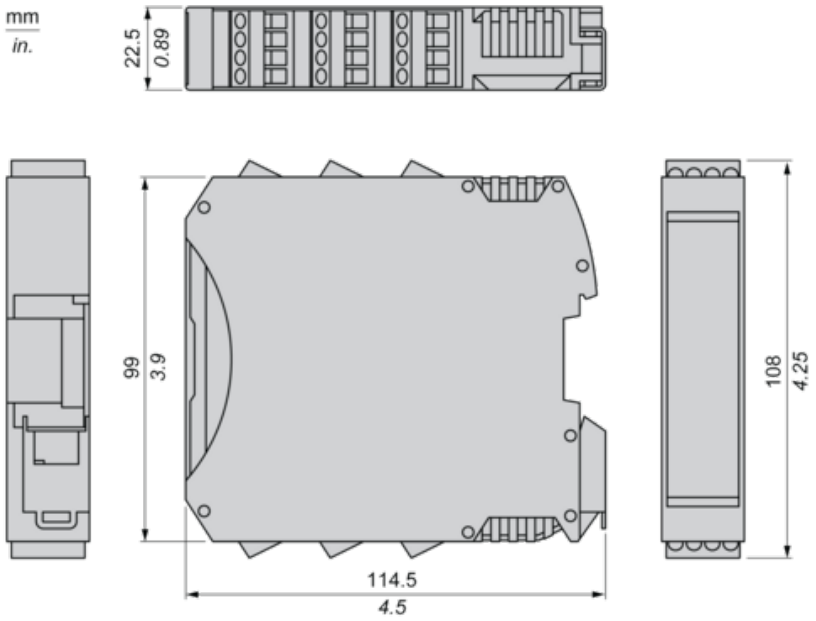
Offer Sustainability

REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
PVC free	Yes

XPSMCMCO0000CO

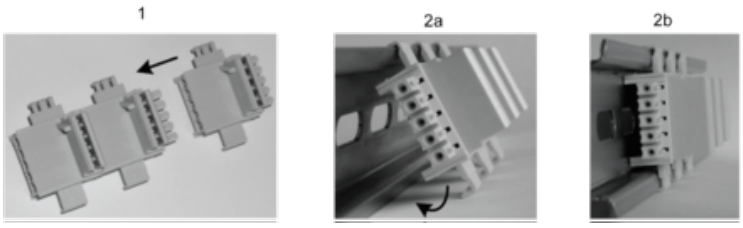
Dimensions

Screw Terminal



Mounting Safety Controller CPU with Module(s)

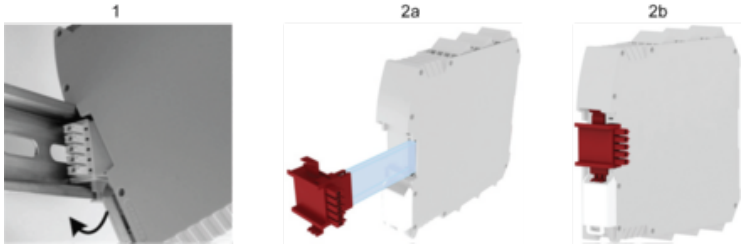
Mount BackPlane Connector on Rail



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.

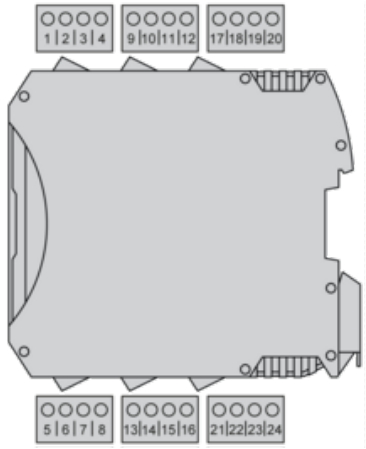
Connection & Schema

CANOpen Connector

Description	CAN (CANOpen) standard communication device
Wiring	Pin/ Signal 1/ not connected 2/ CAN_L 3/ CAN_GND 4/ not connected 5/ CAN_SHLD 6/ not connected 7/ CAN_H 8/ not connected 9/ not connected Housing CAN_SHIELD
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		

Terminal	Signal	Description
7		
8		

Wiring Example