# Product data sheet Characteristics

## XPSMCMCO0000COG

### CANopen diagnostic expansion with spring term





#### 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 (- 2020 %) DC	

#### Complementary

Power dissipation in W	3 W	
Quality labels	CE	
Range compatibility	Preventa XPSMCM	in the state of th
Connector type	Male SUB-D 9	
Number of port	1	
Method of access	Slave	
Transmission rate	10 kbit/s 20 kbit/s 50 kbit/s 100 kbit/s	the isod for
	125 kbit/s 250 kbit/s 500 kbit/s 800 kbit/s 1 Mbit/s Autodetected	euheitinta for and is n
Communication port protocol	CANopen	
Current consumption	0.125 mA	
Cable distance between devices	50 m 100 m 500 m 2500 m 1000 m 750 m 250 m	r. This documentation is not ins
Local signalling	Green LED with ON marking for power ON Green LED with RUN marking for operating	ie si generalise

	Red LED with E IN marking for internal error Red LED with E EX marking for external error Green/red LED with OP marking for operating Green/red LED with ERR marking for communication error
Number of terminals	2
Connections - terminals	1-wire spring clamp terminals, removable terminal block 2-wire spring clamp terminals, removable terminal block
Cable cross section	(0.22.5 mm² - AWG 24AWG 14) flexible cable without cable end (0.252.5 mm² - AWG 23AWG 14) flexible cable with cable end, with bezel (0.22.5 mm² - AWG 24AWG 14) solid cable without cable end (0.252.5 mm² - AWG 23AWG 14) flexible cable with cable end, without bezel (0.51 mm² - AWG 20AWG 18) flexible cable with cable end, with double bezel
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	RCM
	TÜV
	cULus
IP degree of protection	IP20
Ambient air temperature for operation	-1055 °C
Ambient air temperature for storage	-2085 °C
Relative humidity	1095 %
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, 801000 MHz conforming to EN/IEC 61000-4-3 Susceptibility to electromagnetic fields - test level 30 V/m, 1.4 GHz2 GHz conforming to EN/IEC 61000-4-3
Vibration resistance	+/-0.35 mm (f = 1055 Hz) conforming to EN/IEC 61496-1
Shock resistance	10 gn (duration = 16 ms) shocks : 1000 shocks on each axis EN/IEC 61496-1
Operating altitude	2000 m
Service life	20 yr

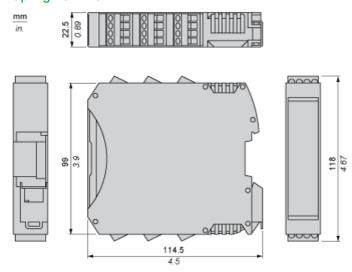
#### Offer Sustainability

Sustainable offer status	Green Premium product	
RoHS (date code: YYWW)  Compliant - since 1450 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity		
REACh	Reference not containing SVHC above the threshold	
	Reference not containing SVHC above the threshold	
Product environmental profile	Available	
Product end of life instructions	Available	

## XPSMCMCO0000COG

#### **Dimensions**

#### Spring Terminal

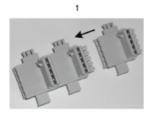


# Product data sheet Mounting and Clearance

### XPSMCMCO0000COG

#### Mounting Safety Controller CPU with Module(s)

#### Mount BackPlane Connector on Rail



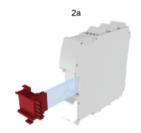




- : Connect as much Backplane Connector as module to be install.
- 2: Fix the connectors to the rail (Top first).

#### 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.

### Product data sheet Connections and Schema

## XPSMCMCO0000COG

#### Connection & Schema

#### **CANOpen Connector**



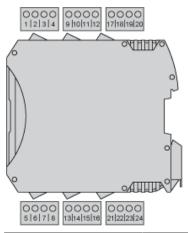
Description	CAN (CANOpen) standard communication device
Wiring	Pin/ Signal
	1/ not connected
	2/ CAN_L
	3/ CAN_GND
	4/ not connected
	5/ CAN_SHLD
	6/ not connected
	7/ CAN_H
	8/ not connected
	9/ not connected
	Housing CAN_SHIELD
Data sets	input status, input diagnostics,
	fieldbus input status, probe status,
	safety output status, safety output diagnostics

# Product data sheet Connections and Schema

## XPSMCMCO0000COG

#### 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

