

Product data sheet

Specifications



expansion module, Modicon MCM, Modbus TCPIP diagnostic, screw

XPSMCMCO0000EM

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	RJ45
Number of port	1
Method of access	Server
Transmission rate	10/100 Mbit/s
Communication port protocol	Modbus TCP/IP
Current consumption	0.125 mA
Maximum cable distance between devices	100 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 NET marking for connection state LED green/red with STS marking for communication status
Connections - terminals	2 captive screw clamp terminals, removable terminal block
Cable cross section	0.2...1.5 mm ² - AWG 24...AWG 16 flexible cable without cable end 0.2...2.5 mm ² - AWG 24...AWG 14 flexible cable without cable end 0.25...1 mm ² - AWG 23...AWG 18 flexible cable with cable end, without bezel 0.25...2.5 mm ² - AWG 23...AWG 14 flexible cable with cable end, with bezel 0.25...2.5 mm ² - AWG 23...AWG 14 flexible cable with cable end, without bezel 0.5...1.5 mm ² - AWG 20...AWG 16 flexible cable with cable end, with double bezel 0.2...1 mm ² - AWG 24...AWG 18 solid cable without cable end 0.2...2.5 mm ² - AWG 24...AWG 14 solid cable without 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	cULus RCM 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	4.572 cm
Package 1 Width	12.700 cm
Package 1 Length	16.002 cm
Package 1 Weight	235.868 g
Unit Type of Package 2	CAR
Number of Units in Package 2	6
Package 2 Height	14.986 cm
Package 2 Width	14.986 cm
Package 2 Length	39.624 cm
Package 2 Weight	1.678 kg



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better

Materials and Substances

Packaging made with recycled cardboard	No
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACH Regulation	REACH Declaration
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
PVC free	Yes

Use Again

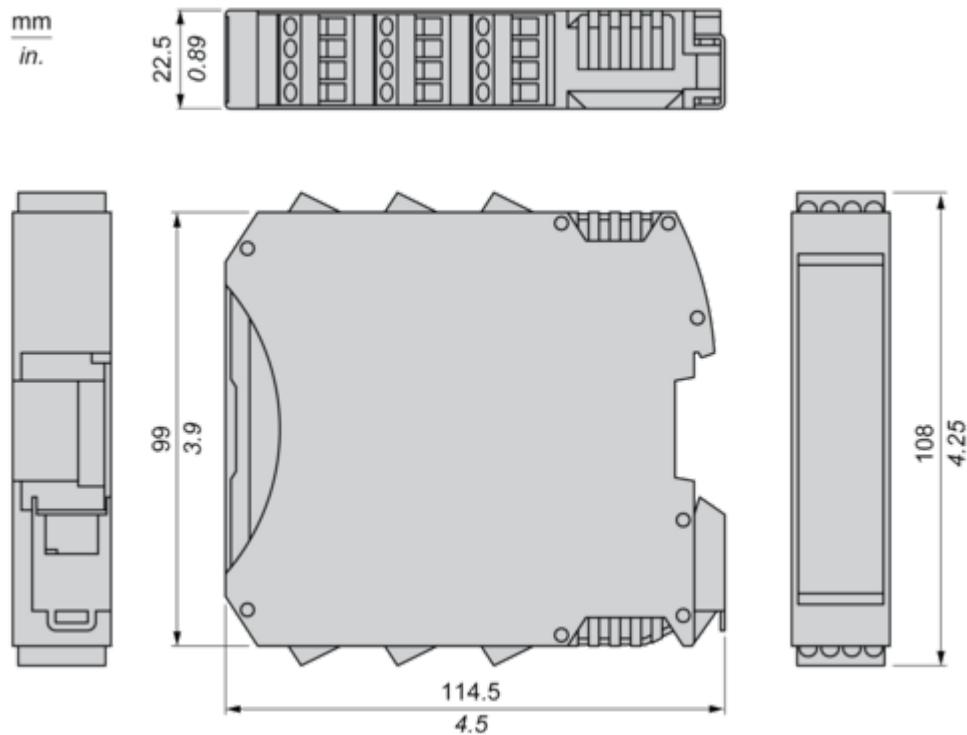
Repack and remanufacture

Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Dimensions Drawings

Dimensions

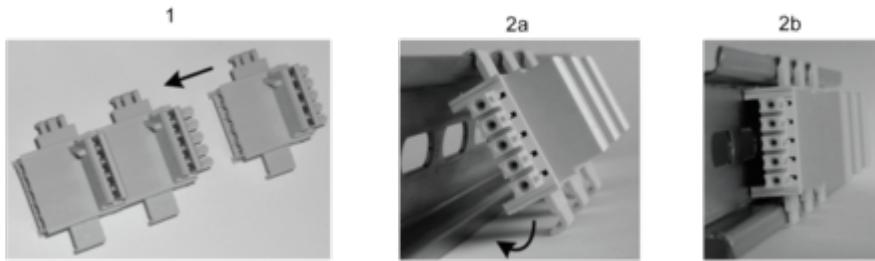
Screw Terminal



Mounting and Clearance

Mounting Safety Controller CPU with Module(s)

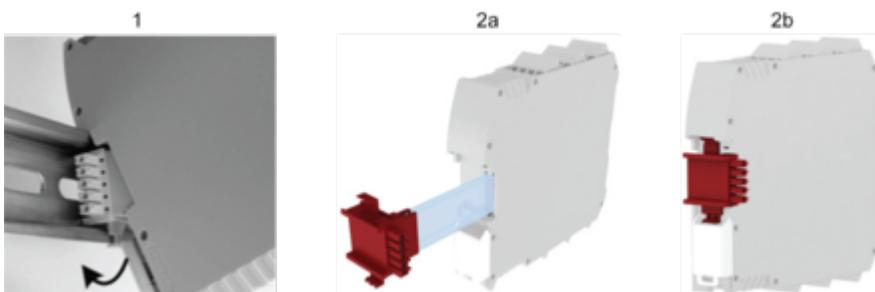
Mount BackPlane Connector on Rail



1 : Connect as much Backplane Connector as module to be install.

2 : Fix the connectors to the rail (Top first).

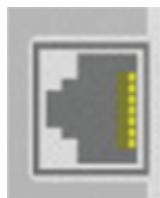
Mount Safety Controller CPU with Other Module(s)



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.

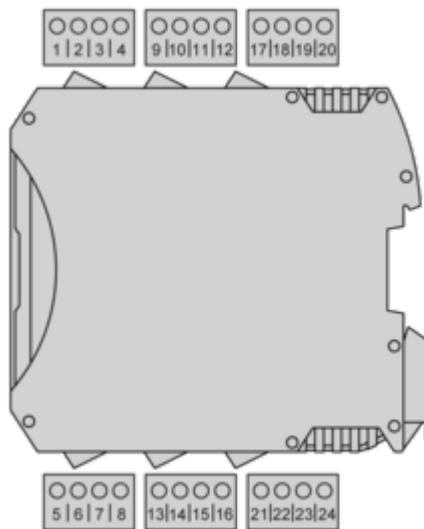
Connections and Schema

Connection & Schema**Modbus TCP Connector**

Description	MBTCP (Modbus TCP/IP) standard communication device
Wiring	PIN/ Signal 1/ Tx+ 2/ Tx- 3/ Rx+ 4/ not connected 5/ not connected 6/ Rx- 7/ not connected 8/ not connected
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	-	Not connected
4	0 VDC	0 Vdc power supply
5	-	
6	-	Not connected
7	-	
8	-	

Wiring Example

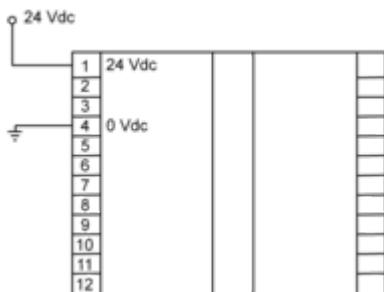


Image of product / Alternate images

Alternative

