Product data sheet

Specifications

expansion module, Modicon MCM, Modbus SL diagnostic, screw

XPSMCMCO0000MB

Product availability: Non-Stock - Not normally stocked in distribution facility

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	1.2 kbit/s 2.4 kbit/s 4.8 kbit/s 9.6 kbit/s 19.2 kbit/s 38.4 kbit/s
Communication Port Protocol	Modbus serial
Current Consumption	0.125 mA
Maximum cable distance between devices	3280.8 ft (1000 m)
Local signalling	LED green PWR power ON LED green RUN operating LED red E IN internal error LED red E EX external error LED green/red NET connection state LED green/red STS communication status
Connections - terminals	2 captive screw clamp terminals, removable terminal block
Cable cross section	0.0003…0.002 in² (0.2…1.5 mm²) - AWG 24...AWG 16 flexible without cable end 0.0003…0.004 in² (0.2…2.5 mm²) - AWG 24...AWG 14 flexible without cable end 0.0004…0.002 in² (0.25…1 mm²) - AWG 23...AWG 18 flexible with cable end, without bezel 0.0004…0.004 in² (0.25…2.5 mm²) - AWG 23...AWG 14 flexible with cable end, with bezel 0.0004…0.004 in² (0.25…2.5 mm²) - AWG 23...AWG 14 flexible with cable end, without bezel 0.0008…0.002 in² (0.5…1.5 mm²) - AWG 20...AWG 16 flexible with cable end, with double bezel 0.0003…0.002 in² (0.2…1 mm²) - AWG 24...AWG 18 solid without cable end 0.0003…0.004 in² (0.2…2.5 mm²) - AWG 24...AWG 14 solid without cable end
Mounting support	Omega 35 mm DIN rail EN 50022

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Width	0.9 in (22.5 mm)
Height	3.9 in (99 mm)
Depth	4.5 in (114.5 mm)
Product Weight	0.7 lb(US) (0.3 kg)

Environment

Product Certifications	cULus RCM TÜV
IP Degree of Protection	IP20
Ambient Air Temperature for Operation	14…131 °F (-10…55 °C)
Ambient Air Temperature for Storage	-4…185 °F (-20…85 °C)
Relative humidity	10…95 %
Pollution degree	2
Insulation	250 V AC between power supply and housing 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 16 ms) 1000 shocks on each axis IEC 61496-1
Operating altitude	6561.68 ft (2000 m)
Service Life	20 year(s)

Ordering and shipping details

Category	US1SAF222477
Discount Schedule	SAF2
GTIN	3606480748462
Returnability	No
Country of origin	IT

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.77 in (4.5 cm)
Package 1 Width	5.04 in (12.8 cm)
Package 1 Length	6.38 in (16.2 cm)
Package weight(Lbs)	8.1 oz (231.0 g)
Unit Type of Package 2	S01
Number of Units in Package 2	6
Package 2 Height	5.91 in (15.0 cm)

Life Is On | Schneider Electric

Package 2 Width	5.91 in (15.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	3.530 lb(US) (1.601 kg)

Environmental Data

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

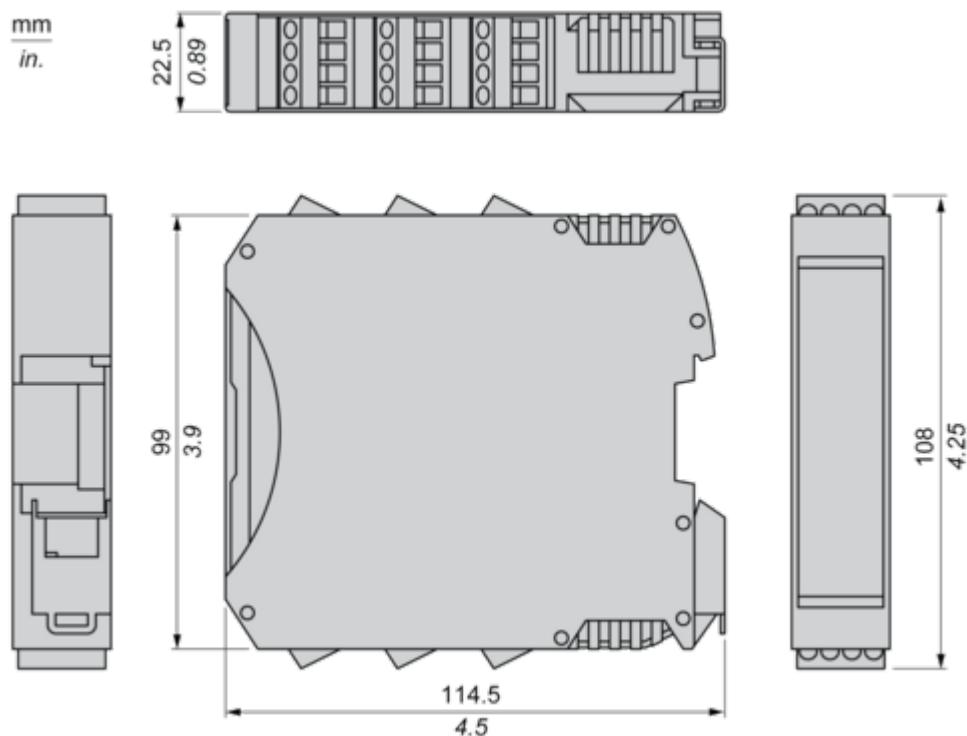|	
Packaging made with recycled cardboard	**No**
Packaging without single use plastic	**Yes**
EU RoHS Directive	**Pro-active compliance (Product out of EU RoHS legal scope)**
REACh Regulation	**REACh Declaration**
California proposition 65	**WARNING: This product can expose you to chemicals including: 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

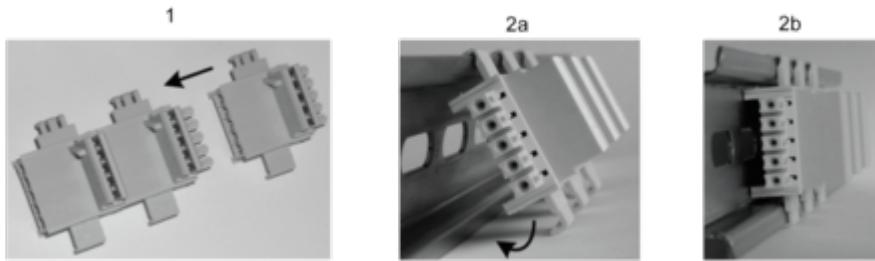|	
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.**

Dimensions Drawings

Dimensions

Screw Terminal

$\dfrac{mm}{in.}$

Mounting and Clearance

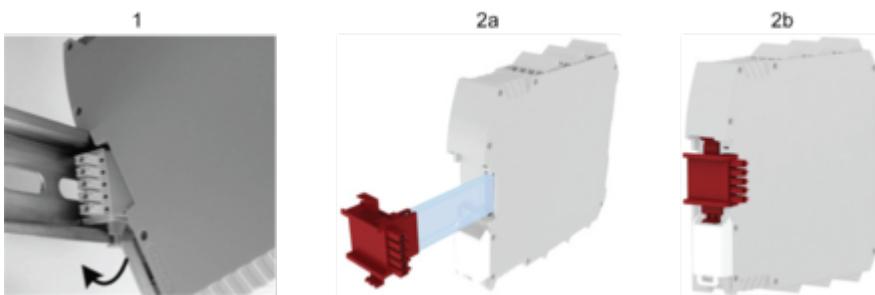**Mounting Safety Controller CPU with Module(s)**

Mount BackPlane Connector on Rail

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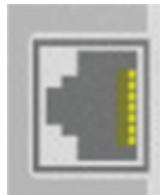**2 :** Fix the connectors to the rail (Top first).

Mount Safety Controller CPU with Other Module(s)

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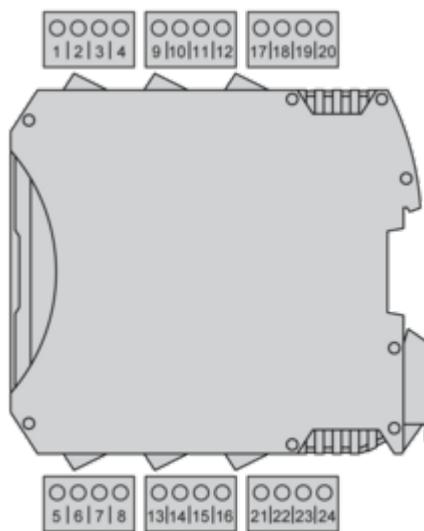**2 :** Make sure that the controller CPU or the module(s) are plugged on the BackPlane connector.

Connections and Schema

Connection & Schema

Modbus Serial Connector

Description	MBS (Modbus Serial) standard communication device
Wiring	PIN/Signal/ Description 1/ not connected 2/ not connected 3/ not connected 4/ D1 5/ D0 6/ not connected 7/ VP (+5 Vdc) 8/ Common
Data sets	Input status, input diagnostics, fieldbus input status, probe status, safety output status, safety output diagnostics

Wiring

Terminal Designation

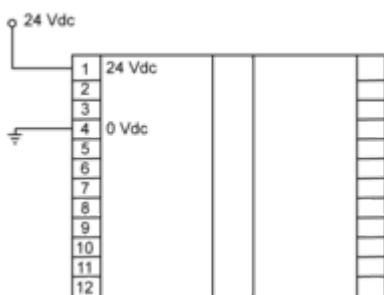| Terminal	Signal	Description
1	24 VDC	24 Vdc power supply
2		
3	–	Not connected
4	0 VDC	0 Vdc power supply
5		
6		
7	–	Not connected
8		

Wiring Example

Image of product / Alternate images

Alternative

Aug 30, 2025

Schneider Electric Automation GmbH
Schneiderplatz 1
97828 Marktheidenfeld, Germany

1	24 VDC
2	n.c.
3	n.c.
4	0 VDC

YYWWXXXX

5	n.c.
6	n.c.
7	n.c.
8	n.c.

Operating voltage:	24V⎓ +/- 20%	
Power consumption:	5 W	
Surrounding air temperature:	-10 to +55 °C	
Enclosure rating:	IP 20	