Product data sheet

Specifications

expansion module, Modicon MCM, RS485 safe communication, 1 way, spring

XPSMCMCO0000S1G

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

Main

Range of Product	Modicon MCM
Product or Component Type	Safe communication expansion module
Device short name	XPSMCM
[Us] rated supply voltage	24 V - 20...20 % DC

Complementary

Power dissipation in W	3 W
Safety level	Can reach category 4 ISO 13849-1 Can reach PL = e ISO 13849-1 Can reach SIL 3 IEC 61508 Can reach SILCL 3 IEC 62061
Quality labels	CE
Range Compatibility	Preventa XPSMCM
Connector type	4 ways RS485
Number of port	1
Communication Port Protocol	RS485
Current Consumption	0.125 mA
Maximum cable distance between devices	164.04 ft (50 m)
Local signalling	LED green PWR power ON LED green RUN operating LED red E IN internal error LED red E EX external error
Connections - terminals	2 spring clamp terminals, removable terminal block
Cable cross section	0.0003…0.004 in² (0.2…2.5 mm²) - AWG 24...AWG 14 flexible without cable end 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 0.0003…0.004 in² (0.2…2.5 mm²) - AWG 24...AWG 14 solid without cable end 0.0008…0.002 in² (0.5…1 mm²) - AWG 20...AWG 18 flexible with cable end, with double bezel
Mounting support	Omega 35 mm DIN rail EN 50022
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

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

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	3606480748493
Returnability	No
Country of origin	IT

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.8 in (4.5 cm)
Package 1 Width	5.04 in (12.8 cm)
Package 1 Length	6.4 in (16.2 cm)
Package weight(Lbs)	7.0 oz (198.0 g)
Unit Type of Package 2	S01
Number of Units in Package 2	6
Package 2 Height	5.9 in (15.0 cm)
Package 2 Width	5.9 in (15.0 cm)
Package 2 Length	15.7 in (40.0 cm)
Package 2 Weight	3.157 lb(US) (1.432 kg)

Contractual warranty

Warranty (in months)	18

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 >

Environmental footprint

Total lifecycle Carbon footprint	**122 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**10 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**112 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.5 kg CO2 eq.**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**No**
Packaging without single use plastic	**Yes**
EU RoHS Directive	**Compliant**
REACh Regulation	**Free of Substances of Very High Concern above the threshold**
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 Longer

Lifetime extension

Repair	**No**

Use Again

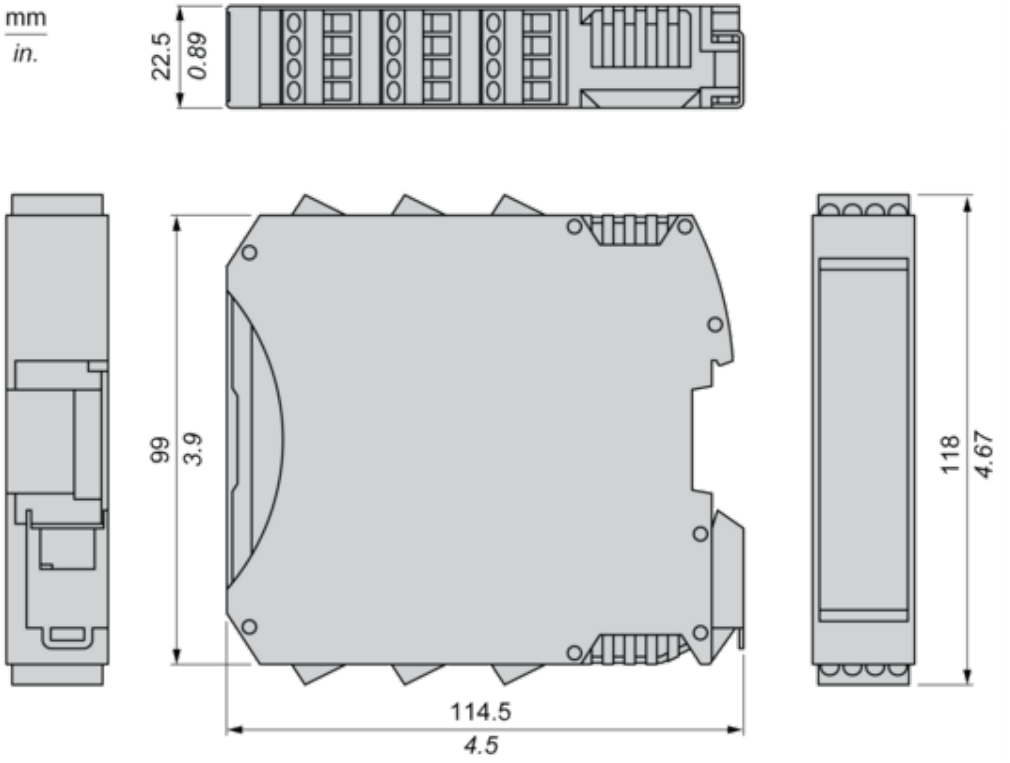
Repack and remanufacture

Recyclability potential, in %	**34**
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

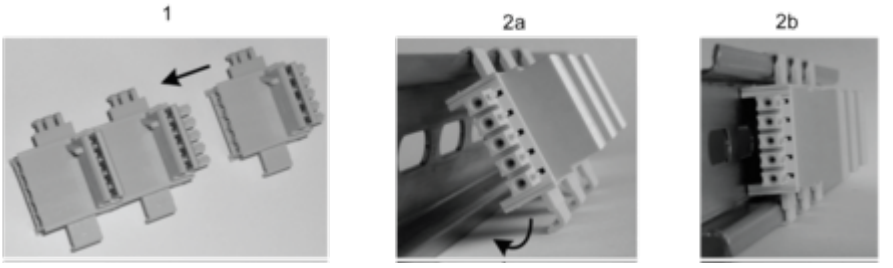
Spring Terminal



Mounting and Clearance

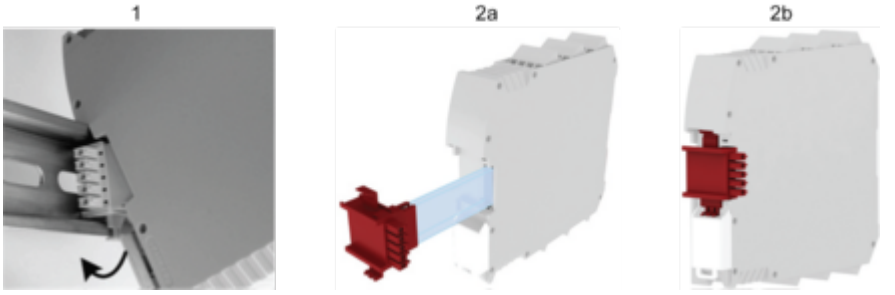
Mounting Safety Controller CPU with Module(s)

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)

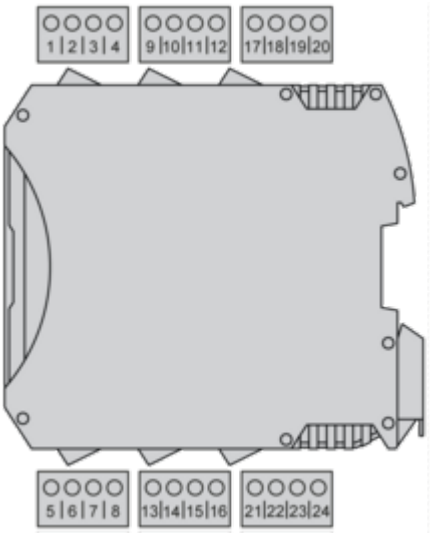


1 : Mount controller CPU and modules on rail.
2 : Make sure that the controller CPU or the module(s) are plugged on the BackPlane connector.

Connections and Schema

Wiring

Terminal Designation



Terminal	Signal
1	24 VDC
2	not connected
3	BRAIDING CH1
4	0 VDC
5	not connected
6	not connected
7	not connected
8	not connected
9	CH1-A
10	CH1-B
11	CH1-C
12	CH1-D
13	not connected
14	not connected
15	not connected
16	not connected

Technical Illustration

Dimensions

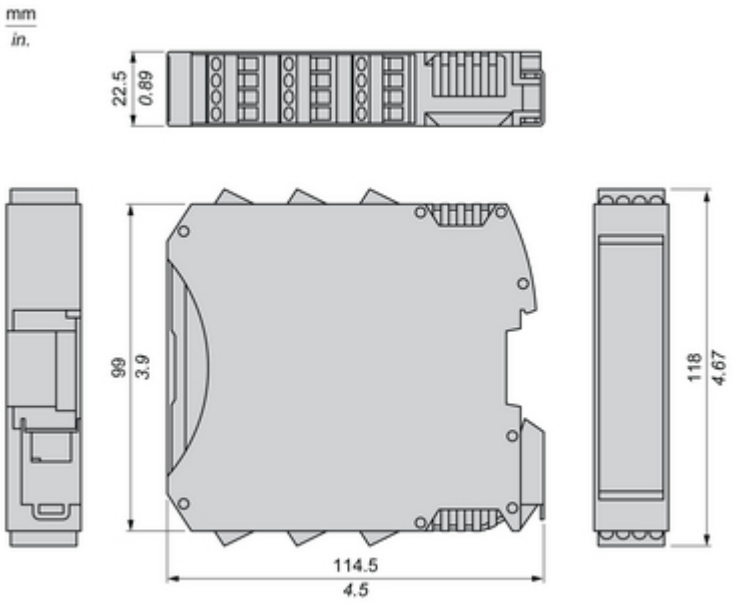
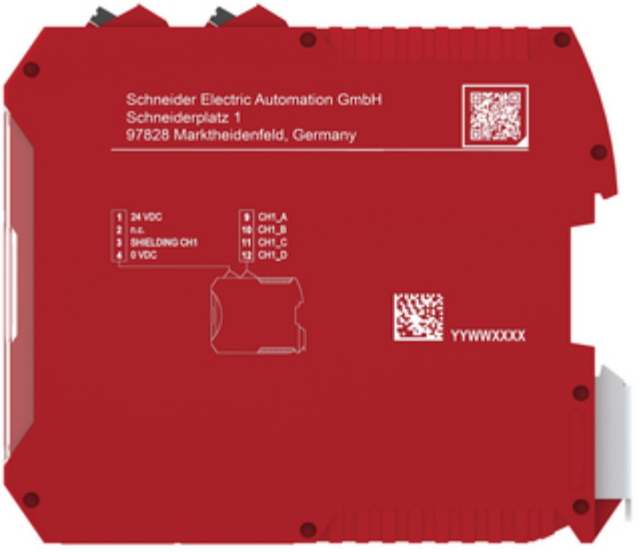


Image of product / Alternate images

Alternative


Modicon
PWR
RUN
E IN
E EX
SCOM1
Schneider
Electric


Schneider Electric Automation GmbH
Schneiderplatz 1
97828 Marktheidenfeld, Germany
1 24 VDC
2 n.c.
3 SHIELDING CH1
4 0 VDC
9 CH1_A
10 CH1_B
11 CH1_C
12 CH1_D
YYWWXXXX