

Product data sheet

Specifications



expansion module, Modicon MCM,
speed monitoring, 2 HTL encoder,
spring

XPSMCMEN0200HTG

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

Main

Range of Product	Preventa Safety automation
Product or Component Type	Safe speed monitoring module
Device short name	XPSMCM
Electrical Connection	Spring terminal
[Us] rated supply voltage	24 V - 20...20 % DC
Discrete input voltage	24 V DC
Function of module	Speed monitoring

Complementary

Power Consumption in W	3 W
Power dissipation in W	3 W
Integrated connection type	Backplane expansion bus
Safety level	Can reach category 4 ISO 13849-1 Can reach PL = e ISO 13849-1 Type 4 IEC 61496-1 SILCL 3 IEC 62061
Quality labels	CE
Number of terminal blocks	4
Local signalling	1 LED green PWR power ON 1 LED green RUN RUN (status) 1 LED red E IN internal error 1 LED red E EX external error 2 LEDs orange ADDR node address 2 LEDs yellow PROX proximity sensors connection status 2 LEDs yellow SH speed monitoring status 2 LEDs yellow ENC encoder connection status
Connections - terminals	1 spring clamp terminals, removable terminal block 2 spring clamp terminals, removable terminal block
Maximum input frequency	5 kHz sensor 300 kHz encoder HTL
Sensor Type	Inductive proximity sensor
Electrical connection	2 connectors RJ45 EIA/TIA-568-A
Cable cross section	0.0003...0.004 in ² (0.2...2.5 mm ²) - AWG 24...AWG 14 flexible without cable end 0.0003...0.004 in ² (0.2...2.5 mm ²) - AWG 24...AWG 14 solid without cable end 0.0004...0.004 in ² (0.25...2.5 mm ²) - AWG 23...AWG 14 flexible with cable end, with bezel 0.0004...0.004 in ² (0.25...2.5 mm ²) - AWG 23...AWG 14 flexible with cable end, without bezel 0.0008...0.002 in ² (0.5...1 mm ²) - AWG 20...AWG 18 flexible with cable end, with double bezel

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

Mounting support	Omega 35 mm DIN rail EN 50022
Depth	0.9 in (22.5 mm)
Height	3.9 in (99 mm)
Width	4.5 in (114.5 mm)
Product Weight	0.7 lb(US) (0.3 kg)

Environment

Standards	IEC 61508 IEC 62061 ISO 13849-1 IEC 61800-5-1 IEC 61496-1
Product Certifications	cULus TÜV RCM
IP degree of protection	IP20 enclosure
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
[Uiimp] rated impulse withstand voltage	4 kV IEC 61800-5
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
Service Life	20 year(s)

Ordering and shipping details

Category	US1SAF222477
Discount Schedule	SAF2
GTIN	3606480748738
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 (4.500 cm)
Package 1 Width	5.04 in (12.800 cm)

Package 1 Length	6.38 in (16.200 cm)
Package weight(Lbs)	8.536 oz (242.000 g)
Unit Type of Package 2	S01
Number of Units in Package 2	6
Package 2 Height	5.91 in (15.000 cm)
Package 2 Width	5.91 in (15.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	3.816 lb(US) (1.731 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

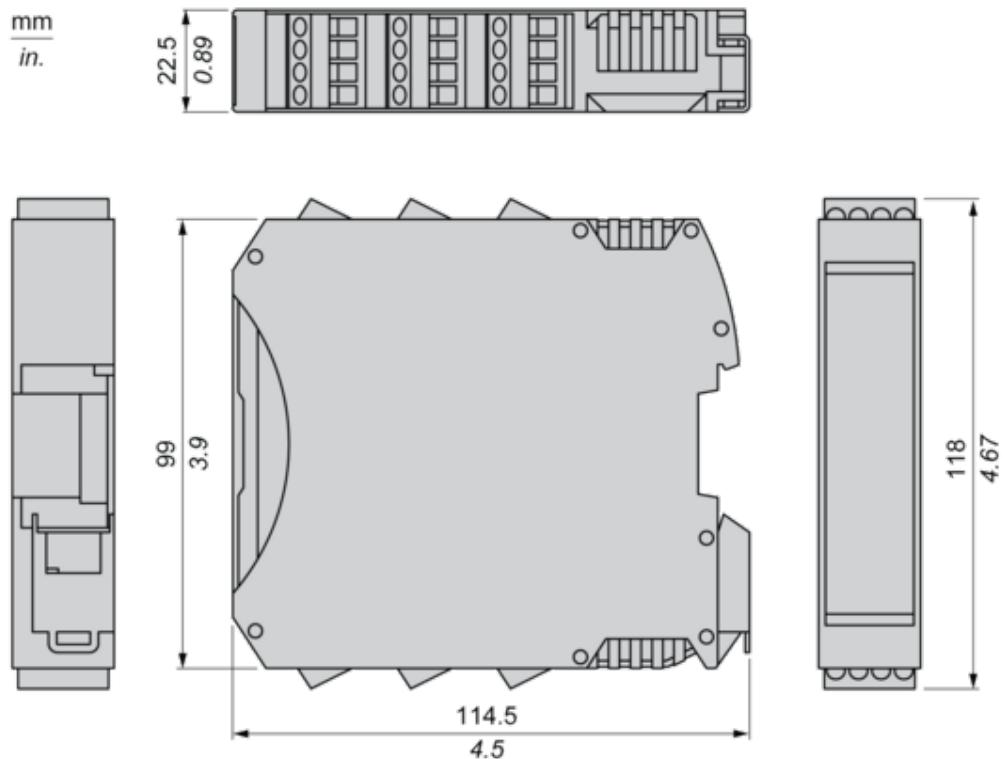
Repack and remanufacture

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

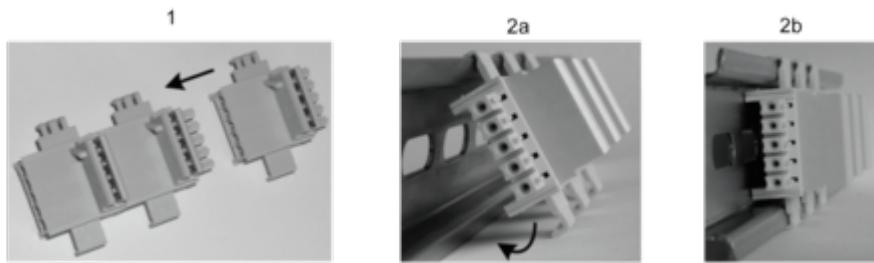
Spring Terminal



Mounting and Clearance

Mounting Safety Controller CPU with Module(s)

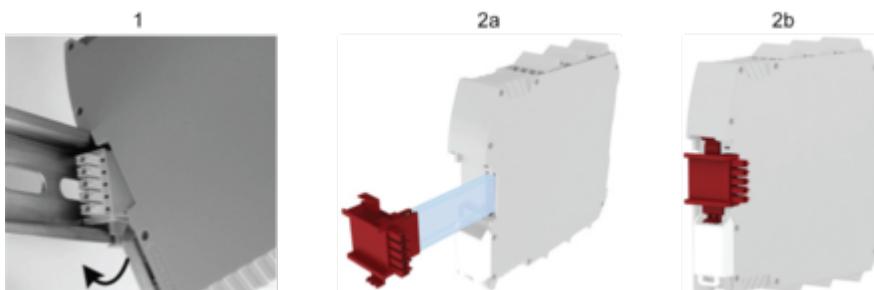
Mount BackPlane Connector on Rail



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)



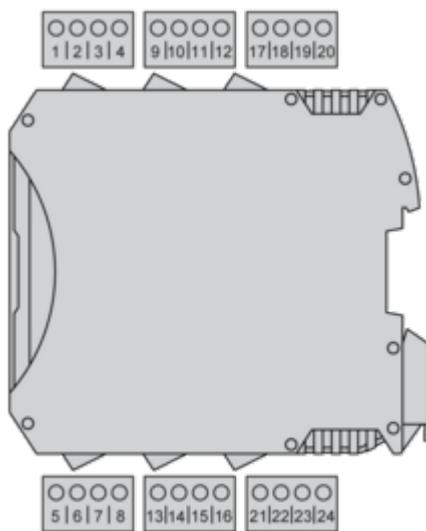
1 : Mount controller CPU and modules on rail.

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	Description
1	24 VDC	24 VDC power supply
2	NODE_ADDR0	Node selection
3	NODE_ADDR1	
4	0 VDC	0 Vdc power supply
5	PROXY1_24V	
6	PROXY1_REF	PROXIMITY 1 connections
7	PROXY1_NO	
8	PROXY1_NC	
9	PROXY2_24V	
10	PROXY2_REF	PROXIMITY 2 connections
11	PROXY2_NO	
12	PROXY2_NC	
13		
14		
15	not connected	not connected
16		

Image of product / Alternate images

Alternative



