

Product data sheet

Specifications



expansion module, Modicon MCM, 8 inputs, spring

XPSMCMDI0800G

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

Main

Range of Product	Preventa Safety automation
Product or Component Type	Safe input expansion module
Device short name	XPSMCM
Electrical Connection	Spring terminal
[Us] rated supply voltage	24 V - 20...20 % DC
Input type	8 digital
Output type	4 test line control
Discrete input type	PNP
Discrete output type	PNP
Function of module	Monitoring safety detection discrete input Monitoring safety dialogue discrete input

Complementary

Power Consumption in W	3 W
Power dissipation in W	3 W
Integrated connection type	Backplane expansion bus
Number of terminal blocks	4
Connections - terminals	1 spring clamp terminals, removable terminal block 2 spring clamp terminals, removable terminal block
Safety level	Can reach category 4 ISO 13849-1 Can reach PL = e ISO 13849-1 Can reach SIL 3 IEC 61508 SILCL 3 IEC 62061
Quality labels	CE
Discrete input voltage	24 V DC
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 8 LEDs yellow IN input status
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

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Depth	0.9 in (22.5 mm)
Height	3.9 in (99 mm)
Width	4.5 in (114.5 mm)
Product Weight	0.51 lb(US) (0.23 kg)

Environment

Standards	IEC 61508 ISO 13849-1 IEC 61800-5-1 IEC 62061
Product Certifications	TÜV RCM cULus
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
[Uimp] rated impulse withstand voltage	4 kV IEC 61800-5-1
Safety reliability data	PFHd = 5.75E-9 1/h DC > 99 % MTTFd < 100 years high
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	3606480748578
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 (16.3 cm)
Package weight(Lbs)	7.8 oz (222.0 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	3.481 lb(US) (1.579 kg)

Contractual warranty

Warranty (in months)	18
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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	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

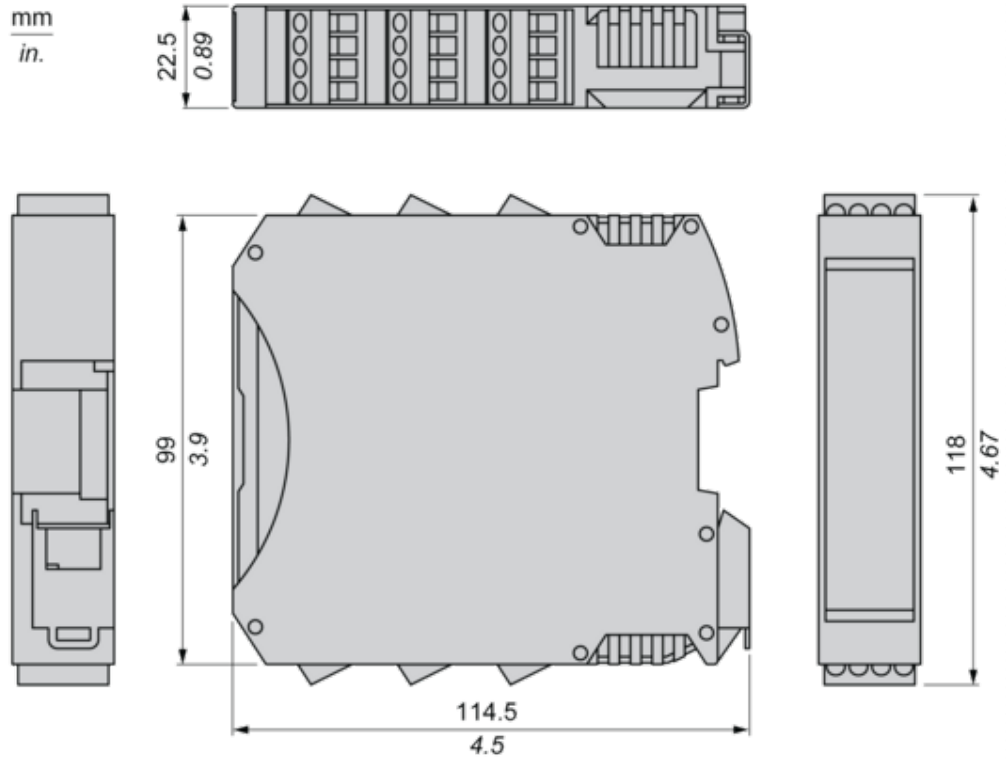
Use Again

Repack and remanufacture	
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

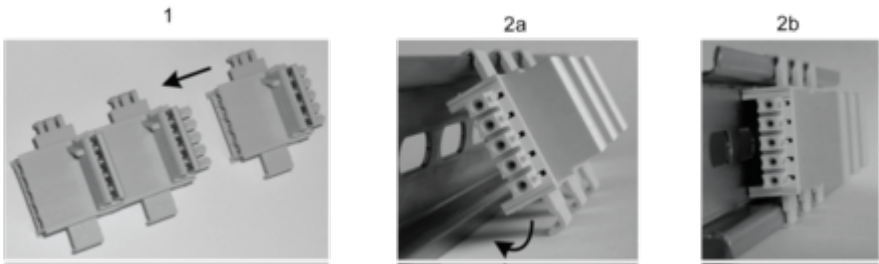
Spring Terminal



Mounting and Clearance

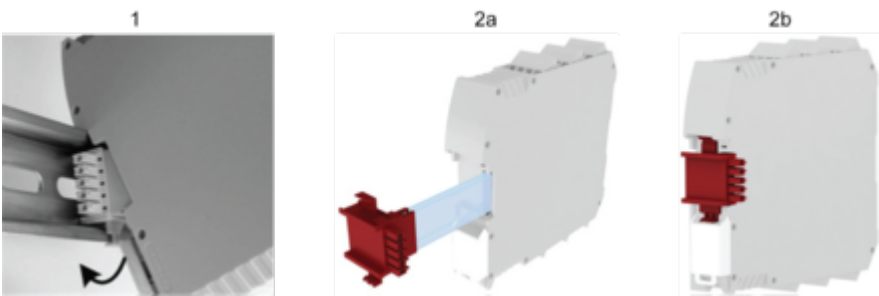
Mounting Safety Controller CPU with Module(s)

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)

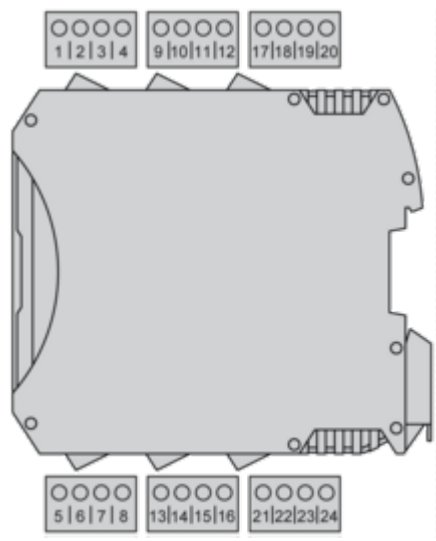


- 1 : Mount controller CPU and modules on rail.
- 2 : Make sure that the controller CPU or the module(s) are plugged on the BackPlane connector.

Connections and Schema

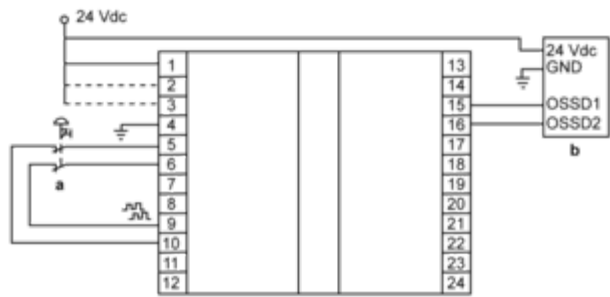
Wiring

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	INPUT1	Digital input 1
6	INPUT2	Digital input 2
7	INPUT3	Digital input 3
8	INPUT4	Digital input 4
9	OUT_TEST1	Short circuit detected output
10	OUT_TEST2	
11	OUT_TEST3	
12	OUT_TEST4	
13	INPUT5	Digital input 5
14	INPUT6	Digital input 6
15	INPUT7	Digital input 7
16	INPUT8	Digital input 8

Wiring Example



- a : Emergency stop
- b : Light curtain

Technical Illustration

Dimensions

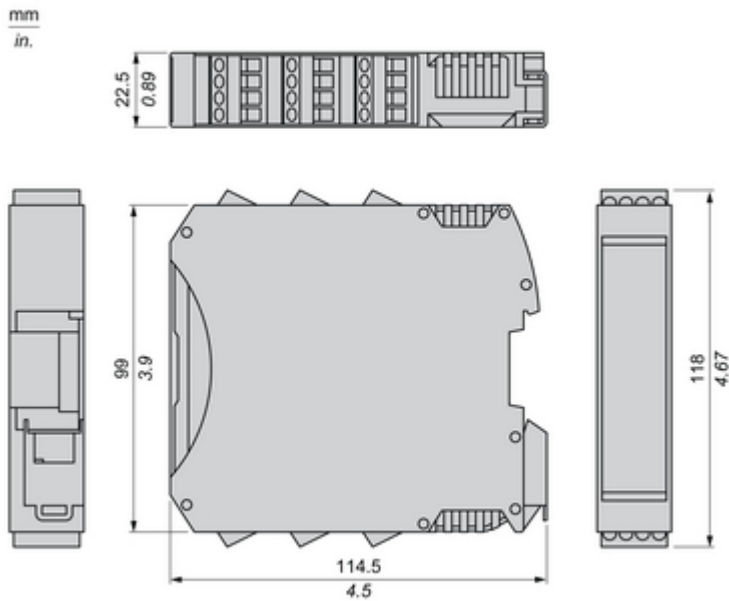


Image of product / Alternate images

Alternative





