Product data sheet

Specifications



expansion modules, Modicon MCM, 4 digital output pairs, screw

XPSMCMDO0004

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

Main

Range of Product	Preventa Safety automation
Product or Component Type	Safe output expansion module
Device short name	XPSMCM
Electrical Connection	Screw terminal
[Us] rated supply voltage	24 V - 20...20 % DC
Input type	4 digital external device monitoring
Output type	4 safety outputs OSSD contactor/drive connection 4 configurable diagnostic connection
Discrete input type	Isolated
Discrete output type	PNP
Function of module	Monitoring safety actuators discrete output

Complementary

Power Consumption in W	3 W
Power dissipation in W	3 W
Integrated connection type	Backplane expansion bus
Number of terminal blocks	6
Connections - terminals	2 captive screw clamp terminals, removable terminal block 1 captive screw clamp terminals, removable terminal block
load type	Resistive load
Group of channels	4 dual channel load 400mA/output
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
Discrete output voltage	24 V DC
Discrete output current	400 mA 100 mA
Output load	60 Ohm

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

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 4 LEDs green/red OUT output status 4 LEDs yellow RST restart signal 4 LEDs yellow STATUS output status
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
Depth	0.9 in (22.5 mm)
Height	3.9 in (99 mm)
Width	4.5 in (114.5 mm)
Product Weight	0.55 lb(US) (0.25 kg)

Environment

Standards	IEC 61800-5-1 ISO 13849-1 IEC 61508 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	DC > 99 % MTTFd < 100 years high PFHd = 3.44E-9 1/h
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	3606480748660
Returnability	No
Country of origin	IT

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.732 in (4.400 cm)
Package 1 Width	4.803 in (12.200 cm)
Package 1 Length	6.378 in (16.200 cm)
Package weight(Lbs)	8.501 oz (241.000 g)
Unit Type of Package 2	S01
Number of Units in Package 2	6
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	5.906 in (15.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	3.761 lb(US) (1.706 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

Environmental Disclosure	Product Environmental Profile

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

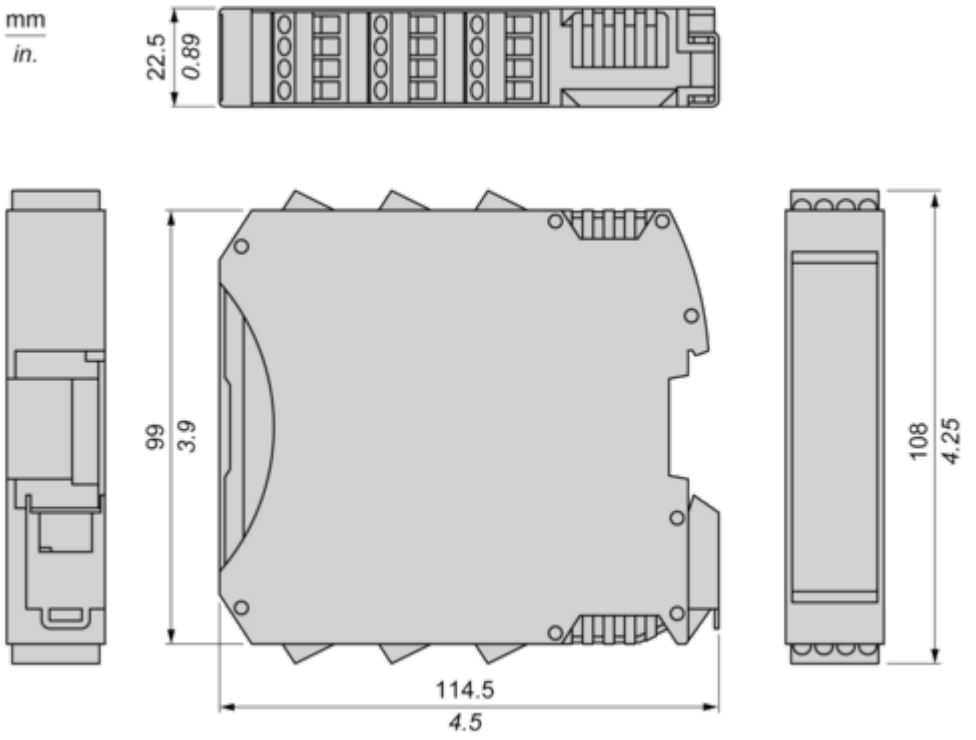
Repack and remanufacture

Circularity Profile	End of Life Information
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

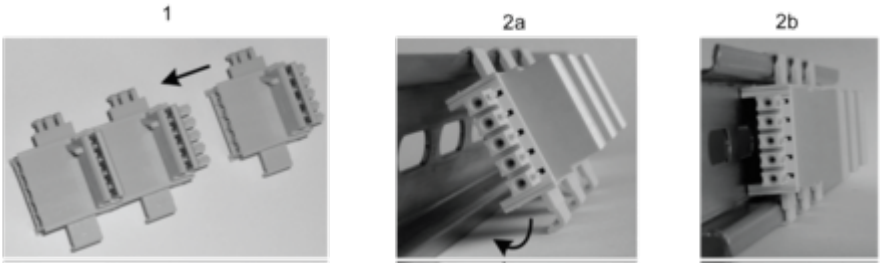
Screw Terminal



Mounting and Clearance

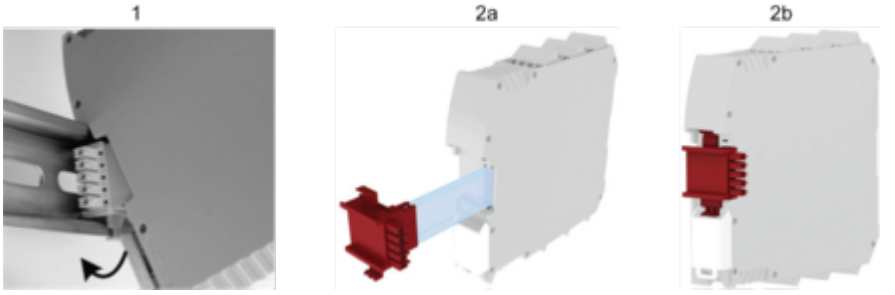
Mounting Safety Controller CPU with Module(s)

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)

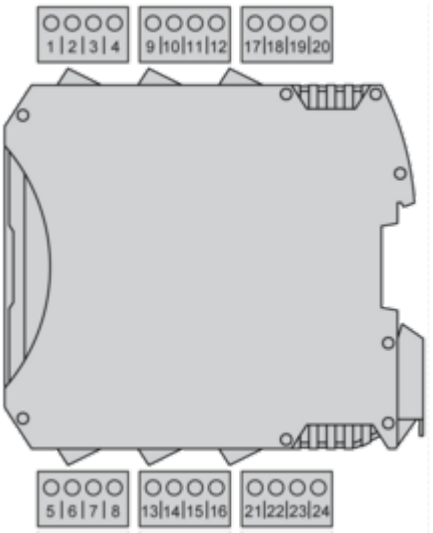


1 : Mount controller CPU and modules on rail.
2 : Make sure that the controller CPU or the module(s) are plugged on the BackPlane connector.

Connections and Schema

Wiring

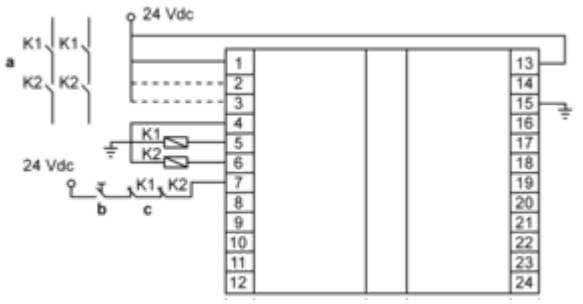
Terminal Designation



Terminal	Description
1	24 Vdc power supply
2	Node selection
3	
4	0 Vdc power supply
5	Static output 1
6	
7	Feedback/Restart 1
8	digital output
9	Static output 2
10	
11	Feedback/Restart 2
12	digital output
13	24 Vdc power supply
14	24 Vdc power supply
15	0 Vdc power supply
16	

Terminal	Description
17	Static output 4
18	
19	Feedback/Restart 4
20	digital output
21	Static output 3
22	
23	Feedback/Restart 3
24	digital output

Wiring Example



a : Contactors
b : Restart
c : Feedback

Technical Illustration

Dimensions

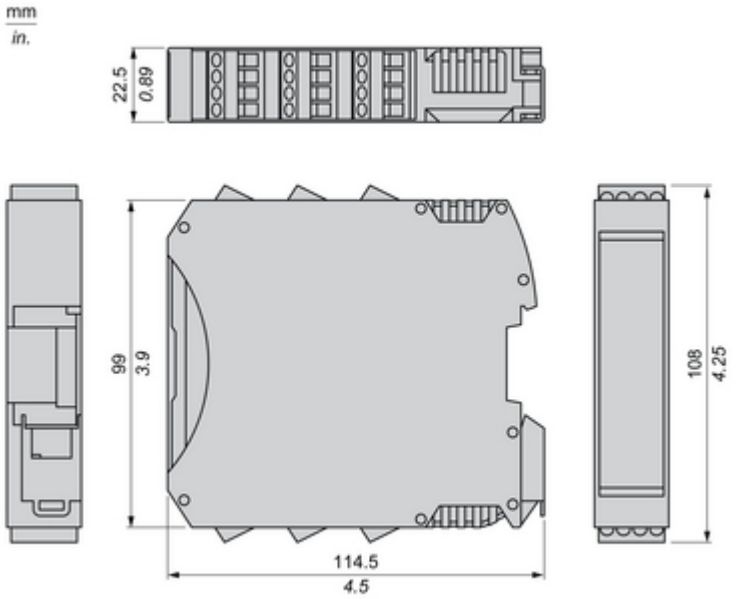
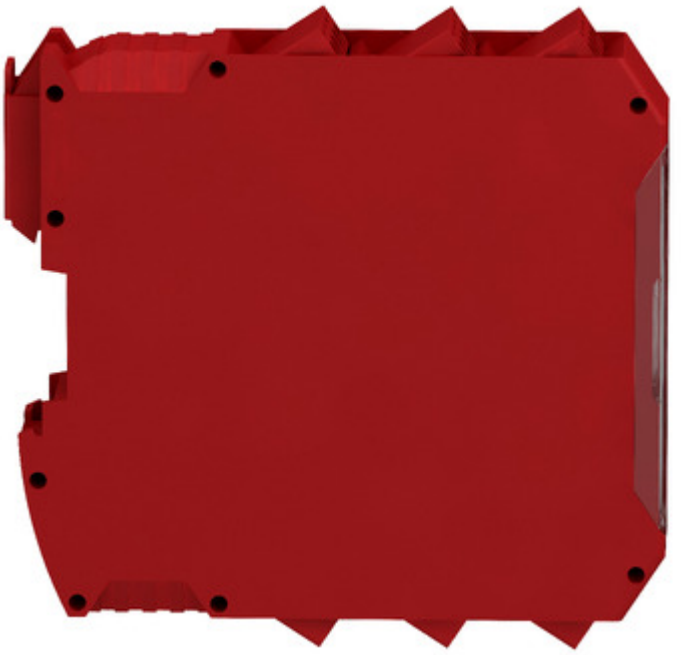


Image of product / Alternate images

Alternative








PREVENTA
PWR
RUN
EIN
EEX
ADDR
0
1
DO04
OUT
RST
STATUS
1
2
3
4
Schneider
Electric



