XPSMCMCO0000EI

expansion module, Modicon MCM, Ethernet/IP diagnostic, screw

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	10/100 Mbit/s
Communication Port Protocol	Ethernet TCP/IP
Current Consumption	0.125 mA
Maximum cable distance between devices	328.08 ft (100 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
Width	0.9 in (22.5 mm)
Height	3.9 in (99 mm)
Depth	4.5 in (114.5 mm)
Net Weight	0.7 lb(US) (0.3 kg)

Environment

Product Certifications	cULus[RETURN]RCM[RETURN]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 10…55 Hz)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	3606480748400
Returnability	Yes
Country of origin	IT

Packing Units

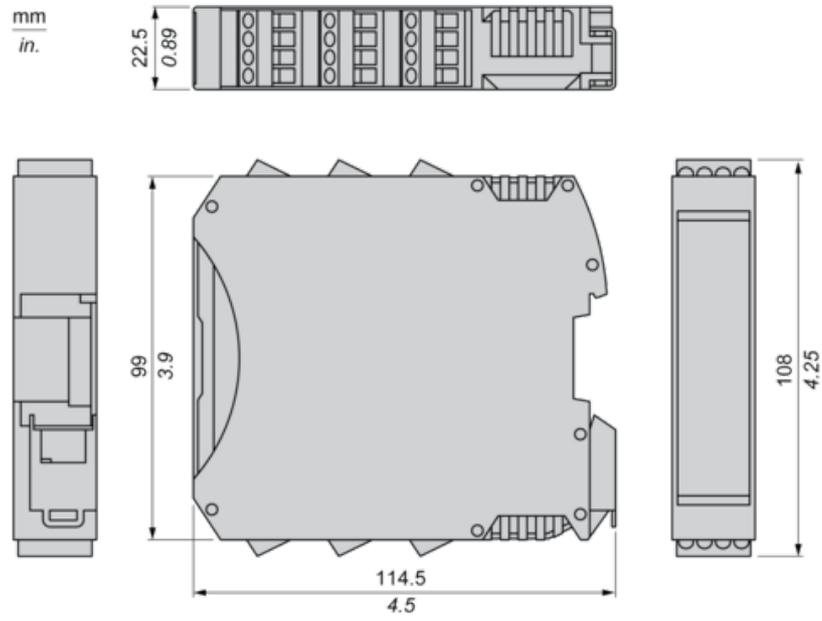|	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.8 in (4.5 cm)
Package 1 Width	5.0000000000 in (12.7 cm)
Package 1 Length	6.4 in (16.2 cm)
Package 1 Weight	8.04 oz (228.0 g)
Unit Type of Package 2	S01
Number of Units in Package 2	6
Package 2 Height	5.9 in (15.0 cm)
Package 2 Width	5.9 in (15.0 cm)
Package 2 Length	15.7 in (40.0 cm)
Package 2 Weight	3.516 lb(US) (1.595 kg)

Offer Sustainability

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
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes

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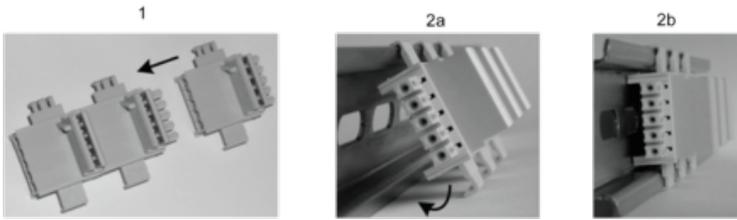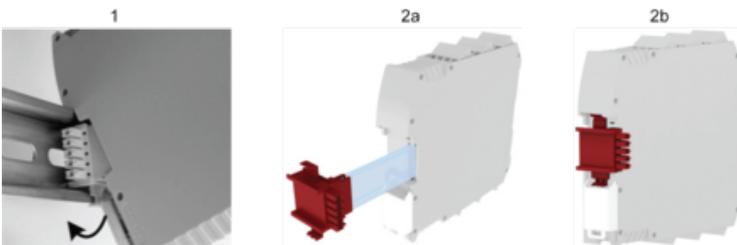| WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
PVC free	Yes

Dimensions

Screw Terminal

Mounting Safety Controller CPU with Module(s)

Mount BackPlane Connector on Rail

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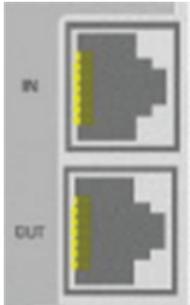
2 : Fix the connectors to the rail (Top first).

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.
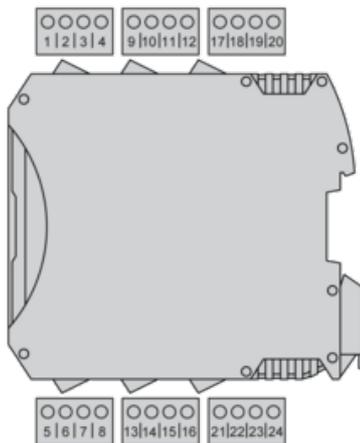

Connection & Schema

ETHERNET/IP Connector

Description	ECAT (ETHERCAT) standard communication device
Wiring	PIN/ Signal 1/ Tx+ 2/ Tx- 3/ Rx+ 4/ not connected 5/ not connected 6/ Rx- 7/ not connected 8/ not connected
Data sets	input status, input diagnostics, fieldbus input status, probe status, safety output status, safety output diagnostics

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Wiring

Terminal Designation

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

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Terminal	Signal	Description
6		
7		
8		

Wiring Example