Product data sheet
Characteristics

XPSMCMCO0000EM
Modbus TCPIP diagnostic expansion module with screw term

Product availability : Stock - Normally stocked in distribution facility

Green Premium™

Price* : 629.00 USD

Main

Range of product	Preventa Safety automation
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	2
Method of access	Slave
Transmission rate	10/100 Mbit/s
Communication port protocol	Modbus TCP/IP
Current consumption	0.125 mA
Maximum cable distance between devices	328.08 ft (100 m)
Local signalling	LED green ON 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
Number of terminals	2
Connections - terminals	2 captive screw clamp terminals, removable terminal block 1 captive screw clamp terminals, removable terminal block
Cable cross section	0.00…0.00 in² (0.2…1.5 mm²) - AWG 24...AWG 16 flexible without cable end

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

Oct 7, 2020

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0.00…0.00 in² (0.2…2.5 mm²) - AWG 24...AWG 14 flexible without cable end
0.00…0.00 in² (0.25…1 mm²) - AWG 23...AWG 18 flexible with cable end, without bezel
0.00…0.00 in² (0.25…2.5 mm²) - AWG 23...AWG 14 flexible with cable end, with bezel
0.00…0.00 in² (0.25…2.5 mm²) - AWG 23...AWG 14 flexible with cable end, without bezel
0.00…0.00 in² (0.5…1.5 mm²) - AWG 20...AWG 16 flexible with cable end, with double bezel
0.00…0.00 in² (0.2…1 mm²) - AWG 24...AWG 18 solid without cable end
0.00…0.00 in² (0.2…2.5 mm²) - AWG 24...AWG 14 solid without cable end

Mounting support	Omega 35 mm DIN rail EN 50022
Maximum Width	0.89 in (22.5 mm)
Maximum Height	3.90 in (99 mm)
Maximum Depth	4.51 in (114.5 mm)
Net Weight	0.66 lb(US) (0.3 kg)

Environment

Product certifications	RCM CULus 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 EN/IEC 61800-5-1
Overvoltage category	II
Electromagnetic compatibility	Electrostatic discharge immunity test 6 kV on contact) EN/IEC 61000-4-2 Electrostatic discharge immunity test 20 kV on air) EN/IEC 61000-4-2 Susceptibility to electromagnetic fields 10 V/m 80...1000 MHz) EN/IEC 61000-4-3 Susceptibility to electromagnetic fields 30 V/m 1.4 GHz...2 GHz) EN/IEC 61000-4-3
Vibration resistance	+/-0.35 mm 10…55 Hz)EN/IEC 61496-1
Shock resistance	10 gn 16 ms) 1000 shocks on each axis EN/IEC 61496-1
Operating altitude	6561.68 ft (2000 m)
Service life	20 year(s)

Ordering and shipping details

Category	22477 - SAFETY MODULES (PREVENTA)
Discount Schedule	SAF2
GTIN	00785901693482
Nbr. of units in pkg.	1
Package weight(Lbs)	0.46 lb(US) (0.21 kg)
Returnability	Yes
Country of origin	IT

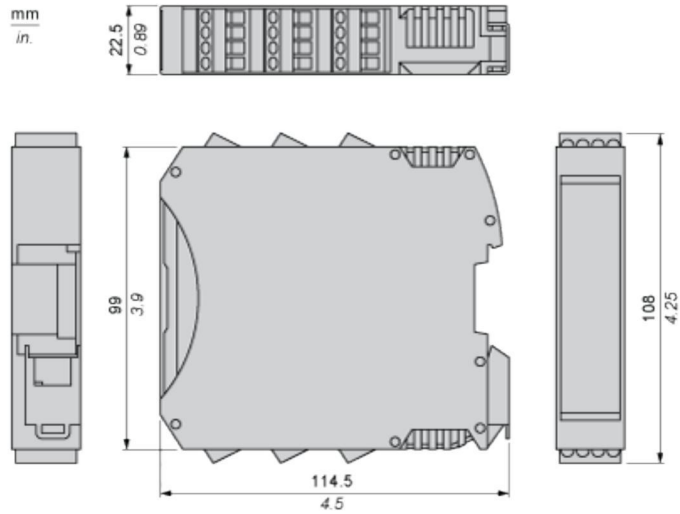## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.73 in (4.4 cm)
Package 1 width	6.38 in (16.2 cm)
Package 1 Length	4.88 in (12.4 cm)
Unit Type of Package 2	S01
Number of Units in Package 2	6
Package 2 Weight	3.35 lb(US) (1.52 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	5.91 in (15 cm)
Package 2 Length	15.75 in (40 cm)

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Offer Sustainability

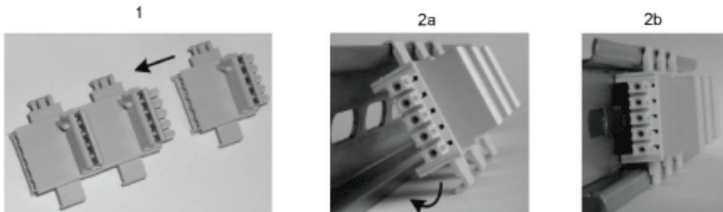|	
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds which is known to the State of California to cause Carcinogen & Reproductive harm. For more information go to www.p65warnings.ca.gov
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
PVC free	Yes

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Dimensions

Screw Terminal

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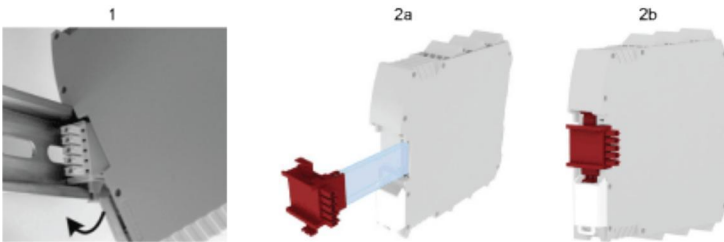See the product details here

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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.
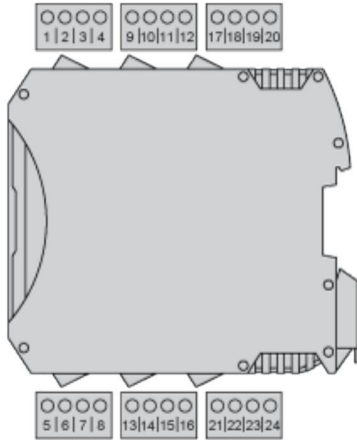
Connection & Schema

Modbus TCP Connector

Description	MBTCP (Modbus TCP/IP) 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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XPSMCMCO0000EM

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
6		
7		
8		

Wiring Example