



### Main

Range of Product	Preventa Safety automation
Product or Component Type	Safe relay output module
Device short name	XPSMCM
Electrical Connection	Screw terminal
[Us] rated supply voltage	24 V - 20...20 % DC
Number of Outputs	2 relay
Function of module	Monitoring safety actuators relay output

### Complementary

Maximum power dissipation in W	3 W
Integrated connection type	Not connected to backplane expansion bus
Switching voltage	10 V DC
Associated fuse rating	3.5 A, slow-blow
Safety level	Can reach category 4 EN/ISO 13849-1 Can reach PL = e EN/ISO 13849-1 Can reach SIL 3 EN/IEC 61508 SILCL 3 IEC 62061
Quality labels	CE
Output type	Relay, 2 NO + 1 NC, volt-free
Quantity per Set	1
Switching time	12 ms
Maximum switching voltage	400 V AC 250 V DC
Minimum switching current	20 mA
Maximum switching current	6 A
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 1 LED green/red RELAY K1 relay contact
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 In <sup>2</sup> (0.2...1.5 mm <sup>2</sup> ) - AWG 24...AWG 16 flexible without cable end 0.00...0.00 In <sup>2</sup> (0.2...2.5 mm <sup>2</sup> ) - AWG 24...AWG 14 flexible without cable end 0.00...0.00 In <sup>2</sup> (0.25...1 mm <sup>2</sup> ) - AWG 23...AWG 18 flexible with cable end, without bezel 0.00...0.00 In <sup>2</sup> (0.25...2.5 mm <sup>2</sup> ) - AWG 23...AWG 14 flexible with cable end, with bezel 0.00...0.00 In <sup>2</sup> (0.25...2.5 mm <sup>2</sup> ) - AWG 23...AWG 14 flexible with cable end, without bezel 0.00...0.00 In <sup>2</sup> (0.5...1.5 mm <sup>2</sup> ) - AWG 20...AWG 16 flexible with cable end, with double bezel 0.00...0.00 In <sup>2</sup> (0.2...1 mm <sup>2</sup> ) - AWG 24...AWG 18 solid without cable end 0.00...0.00 in <sup>2</sup> (0.2...2.5 mm <sup>2</sup> ) - AWG 24...AWG 14 solid without cable end
Mounting support	Omega 35 mm DIN rail EN 50022
Width	0.89 in (22.5 mm)
Height	3.90 in (99 mm)

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Depth	4.51 in (114.5 mm)
Net Weight	0.55 lb(US) (0.25 kg)

## Environment

Standards	IEC 62061 EN/ISO 13849-1 EN/IEC 61508 EN/IEC 61800-5-1
Product Certifications	TÜV CULus RCM
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
[Uimp] rated impulse withstand voltage	4 kV EN/IEC 61800-5-1
Safety reliability data	B10d = 300000 AC-15 230 V, , <3 A EN/ISO 13849-1 B10d = 750000 AC-15 230 V, , <1 A EN/ISO 13849-1 B10d = 10000000 DC-13 24 V, , <2 A EN/ISO 13849-1
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
Electrical durability	20000000 cycles
Mechanical durability	20000000 cycles
Service Life	20 year(s)

## Ordering and shipping details

Category	22477 - SAFETY MODULES (PREVENTA)
Discount Schedule	SAF2
GTIN	3606480748806
Nbr. of units in pkg.	1
Package weight(Lbs)	8.32 oz (236 g)
Returnability	No
Country of origin	IT

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.73 in (4.4 cm)
Package 1 width	6.22 in (15.8 cm)
Package 1 Length	4.80 in (12.2 cm)
Unit Type of Package 2	S03
Number of Units in Package 2	26
Package 2 Weight	14.58 lb(US) (6.615 kg)
Package 2 Height	11.81 in (30 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

## 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 cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
PVC free	Yes