



Main

Range of product	Preventa Safety automation
Product or component type	Safe relay output module
Device short name	XPSMCM
Electrical connection	Spring terminal
[Us] rated supply voltage	24 V - 20...20 % DC
Number of outputs	4 relay
Function of module	Monitoring safety actuators for 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 conforming to EN/ISO 13849-1 Can reach PL = e conforming to EN/ISO 13849-1 Can reach SIL 3 conforming to EN/IEC 61508 SILCL 3 conforming to IEC 62061
Quality labels	CE
Output type	Relay, 4 NO + 2 NC circuit(s), 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	6
Local signalling	1 LED green with PWR marking for power ON 1 LED green with RUN marking for RUN (status) 1 LED red with E IN marking for internal error 1 LED red with E EX marking for external error 2 LEDs orange with ADDR marking for node address 2 LEDs green/red with RELAY K1...K2 marking for relay contact
Connections - terminals	1 spring clamp terminals, removable terminal block 2 spring clamp terminals, removable terminal block
Cable cross section	0.2...2.5 Mm ² - AWG 24...AWG 14 flexible cablewithout cable end 0.25...2.5 Mm ² - AWG 23...AWG 14 flexible cablewith cable end, with bezel 0.25...2.5 Mm ² - AWG 23...AWG 14 flexible cablewith cable end, without bezel 0.2...2.5 Mm ² - AWG 24...AWG 14 solid cablewithout cable end 0.5...1 Mm ² - AWG 20...AWG 18 flexible cablewith cable end, with double bezel

Mounting support	Omega 35 mm DIN rail conforming to EN 50022
Width	22.5 Mm
Height	99 Mm
Depth	114.5 Mm
Net weight	0.3 Kg

Environment

Standards	EN/IEC 61800-5-1 EN/IEC 61508 IEC 62061 EN/ISO 13849-1
Product certifications	CULus RCM TÜV
IP degree of protection	IP20
Ambient air temperature for operation	-10...55 °C
Ambient air temperature for storage	-20...85 °C
Relative humidity	10...95 %
Pollution degree	2
[Uimp] rated impulse withstand voltage	4 KV conforming to EN/IEC 61800-5-1
Safety reliability data	B10d = 300000 utilisation category AC-15 230 V, , <3 A conforming- to EN/ISO 13849-1 B10d = 750000 utilisation category AC-15 230 V, , <1 A conforming- to EN/ISO 13849-1 B10d = 10000000 utilisation category DC-13 24 V, , <2 A conforming- to EN/ISO 13849-1
Insulation	250 V AC between power supply and housing conforming to EN/IEC 61800-5-1
Overvoltage category	II
Electromagnetic compatibility	Electrostatic discharge immunity test - test level: 6 kV (on contact) conforming- to EN/IEC 61000-4-2 Electrostatic discharge immunity test - test level: 20 kV (on air) conforming- to EN/IEC 61000-4-2 Susceptibility to electromagnetic fields - test level: 10 V/m (80...1000 MHz) con- forming to EN/IEC 61000-4-3 Susceptibility to electromagnetic fields - test level: 30 V/m (1.4 GHz...2 GHz) con- forming to EN/IEC 61000-4-3
Vibration resistance	+/-0.35 mm (f= 10...55 Hz) conforming to EN/IEC 61496-1
Shock resistance	10 gn for 16 ms (1000 shocks on each axis) conforming to EN/IEC 61496-1
Electrical durability	20000000 Cycles
Mechanical durability	20000000 Cycles
Service life	20 Year(S)

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	294 G
Package 1 Height	4.5 Cm
Package 1 width	12.8 Cm
Package 1 Length	16.2 Cm
Unit Type of Package 2	S01
Number of Units in Package 2	6
Package 2 Weight	2.003 Kg
Package 2 Height	15 Cm
Package 2 width	15 Cm
Package 2 Length	40 Cm