XPSMCMRO0004

4 safety relay output expansion with backplane connection with screw term

Green Premium™ Product

Main

Range of product	Preventa Safety automation
Product or component type	Safe relay output module
Device short name	XPSMCM
Safety level	SILCL 3 conforming to IEC 62061 Can reach SIL 3 conforming to EN/IEC 61508 Can reach PL = e conforming to EN/ISO 13849-1 Can reach category 4 conforming to EN/ISO 13849-1
Standards	EN/IEC 61508 EN/IEC 61800-5-1 EN/ISO 13849-1 IEC 62061
Product certifications	CULus TÜV
Quality labels	CE
[Us] rated supply voltage	24 V (- 20...20 %) DC
Number of outputs	4 relay

Complementary

Electrical connection	Screw terminal
Function of module	Relay output monitoring safety actuators
Safety reliability data	B10d = 10000000 utilisation category DC-13 24 V, 2 A, conforming to EN/ISO 13849-1 B10d = 750000 utilisation category AC-15 230 V, 1 A, conforming to EN/ISO 13849-1 B10d = 300000 utilisation category AC-15 230 V, 3 A, conforming to EN/ISO 13849-1
Service life	20 yr
Output type	Relay, with 4 NO, volt-free
Discrete output number	8 solid state 125 mA diagnostics
Switching time	12 ms
Electrical durability	20000000 cycles
Mechanical durability	20000000 cycles
Switching voltage	10 V DC
Maximum switching voltage	250 V DC 400 V AC
Minimum switching current	20 mA
Maximum switching current	6 A
Associated fuse rating	3.5 A slow-blow
[Uimp] rated impulse withstand voltage	4 kV conforming to EN/IEC 61800-5-1
Number of terminal blocks	4
Connections - terminals	1-wire captive screw clamp terminals, removable terminal block 2-wire captive screw clamp terminals, removable terminal block

Cable cross section	(0.2...2.5 mm² - AWG 24...AWG 14) solid cable without cable end
	(0.2...1 mm² - AWG 24...AWG 18) solid cable without cable end
	(0.5...1.5 mm² - AWG 20...AWG 16) flexible cable with cable end, with double bezel
	(0.25...2.5 mm² - AWG 23...AWG 14) flexible cable with cable end, without bezel
	(0.25...2.5 mm² - AWG 23...AWG 14) flexible cable with cable end, with bezel
	(0.25...1 mm² - AWG 23...AWG 18) flexible cable with cable end, without bezel
	(0.2...2.5 mm² - AWG 24...AWG 14) flexible cable without cable end
	(0.2...1.5 mm² - AWG 24...AWG 16) flexible cable without cable end
Local signalling	4 LEDs yellow with RST marking for reset
	4 LEDs green/red with RELAY K1...K4 marking for relay contact
	2 LEDs orange with ADDR marking for node address
	1 LED red with E EX marking for external error
	1 LED red with E IN marking for internal error
	1 LED green with RUN marking for RUN (status)
	1 LED green with PWR marking for power ON
Insulation	250 V AC between power supply and housing conforming to EN/IEC 61800-5-1
Power dissipation in W	<= 3 W
Quantity per set	1
Integrated connection type	Backplane expansion bus
Mounting support	Omega 35 mm DIN rail conforming to EN 50022
Width	22.5 mm
Height	99 mm
Depth	114.5 mm
Product weight	0.3 kg

Environment

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
Overvoltage category	II
Electromagnetic compatibility	Susceptibility to electromagnetic fields - test level 30 V/m, 1.4 GHz...2 GHz conforming to EN/IEC 61000-4-3
	Susceptibility to electromagnetic fields - test level 10 V/m, 80...1000 MHz conforming to EN/IEC 61000-4-3
	Electrostatic discharge immunity test - test level 20 kV, on air conforming to EN/IEC 61000-4-2
	Electrostatic discharge immunity test - test level 6 kV, on contact conforming to EN/IEC 61000-4-2
Vibration resistance	+/-0.35 mm (f = 10...55 Hz) conforming to EN/IEC 61496-1
Shock resistance	10 gn (duration = 16 ms) conforming to EN/IEC 61496-1 1000 shocks on each axis

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1450 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available