Product data sheet
Characteristics

XCSDMP7902
coded magnetic switch XCSDMP - SIL 3 - 2 NO, 1 NO staggered - cable 2 m



Main

Range of product	Preventa Safety detection
Product or component type	Coded magnetic switch
Component name	XCSDMP
Design	Rectangular, standard
Size	88 x 25 x 13 mm
Contacts type and composition	2 NC
Contacts operation	Staggered
Material	Plastic
Electrical connection	Pre-cabled
Cable composition	4 x 0.25 mm²
Cable length	2 m
Number of poles	2
Approach directions	3 directions
[Ue] rated operational voltage	24 V DC
[Ui] rated insulation voltage	100 V DC

Complementary

[Sa] assured operating distance	8 mm
[Sar] assured tripping distance	20 mm
[Ie] rated operational current	<= 100 A
[Uimp] rated impulse withstand voltage	2.5 kV conforming to EN/IEC 60947-5-1
Resistance across terminals	10 Ohm
Short circuit protection	500 mA external cartridge fuse type gG (gl)
Contacts material	Rhodium
Electrical durability	1200000 cycles
Maximum switching voltage	100 V DC
Switching capacity in mA	0.1...100 mA
Insulation resistance	1000 MOhm
Breaking capacity	<= 10 VA
Switching frequency	150 Hz
Safety level	Can reach SIL 3 (with the appropriate monitoring system and correctly wired) conforming to EN/IEC 61508 Can reach PL = e (with the appropriate monitoring system and correctly wired) conforming to EN/ISO 13849-1 Can reach category 4 (with the appropriate monitoring system and correctly wired) conforming to EN/ISO 13849-1
Safety reliability data	B10d = 5000000 (value given for a life time of 20 years limited by mechanical or contact wear)
Enclosure material	Thermoplastic PBT
Cable material	PVC
Product weight	0.18 kg

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Environment

Standards	CSA C22-2 No 14 EN/IEC 60204-1 EN/IEC 60947-5-1 EN/ISO 12100 UL 508
Product certifications	BG CSA UL
Protective treatment	TH
Ambient air temperature for operation	-25...85 °C
Ambient air temperature for storage	-40...85 °C
Vibration resistance	10 gn (f = 10...150 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn for 11 ms conforming to IEC 60068-2-27
Sensitivity to magnetic fields	>= 0.3 mT
Class of protection against electric shock	Class II conforming to IEC 60536
IP degree of protection	IP67 conforming to IEC 60529 IP66 conforming to IEC 60529