

XCSDMR591L01M12

coded magnetic switch XCSDMR - 1 NC + 1
NO - staggered - M12 0.15m



Main

Range of product	Preventa Safety detection
Product or component type	Coded magnetic switch
Component name	XCSDMR
Design	Cylindrical
Size	Ø 30 x 38.5 mm
Contacts type and composition	1 NC + 1 NO
Contact operation	Staggered
Material	Plastic
Electrical connection	Connector on flying lead
Connector type	M12
Cable length	0.15 m
Number of poles	2
Local signalling	1 LED
Approach directions	1 direction
[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
Maximum [Ie] rated operational current	100 mA
[Uimp] rated impulse withstand voltage	EN/IEC 60947-5-1 2.5 kV
Resistance across terminals	57 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	5...100 mA
Insulation resistance	1000 MOhm
Breaking capacity	3 VA
Switching frequency	150 Hz
Safety level	Can reach category 4 with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1 Can reach PL = e with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1 Can reach SIL 3 with the appropriate monitoring system and correctly wired conforming to EN/IEC 61508
Safety reliability data	B10d = 50000000 value given for a life time of 20 years limited by mechanical or contact wear
Enclosure material	Thermoplastic PBT
Cable material	PVC
Diameter	30 mm
Length	39 mm
Net weight	0.146 kg

Environment

Standards	UL 508 ISO 14119 EN/IEC 60947-5-1 EN/IEC 60204-1 EN/ISO 12100 CSA C22.2 No 14
Product certifications	BG UL CSA
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
Maximum sensitivity to magnetic fields	0.3 mT
Electrical shock protection class	Class II conforming to EN/IEC 61140
IP degree of protection	IP67 conforming to IEC 60529

Packing Units

Package 1 Weight	0.096 kg
Package 1 Height	0.300 dm
Package 1 width	1.000 dm
Package 1 Length	1.500 dm

Offer Sustainability

REACH Regulation	 REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	 Yes

Contractual warranty

Warranty	18 months
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