

Product Datasheet

Characteristic

XCSDMR7902

coded magnetic switch XCSDMR - 2 NC
- staggered - 2m



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	2 NC
contact operation	Staggered
material	Plastic
electrical connection	Pre-cabled
cable composition	4 x 0.25 mm ²
cable length	6.56 ft (2 m)
number of poles	2
approach directions	1 direction
[Ue] rated operational voltage	24 V DC
[Ui] rated insulation voltage	100 V DC

Complementary

[Sa] assured operating distance	0.31 in (8 mm)
[Sar] assured tripping distance	0.79 in (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	10 Ohm
short-circuit protection	500 mA external cartridge fuse 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 category 4 with the appropriate monitoring system and correctly wired EN/ISO 13849-1 Can reach PL = e with the appropriate monitoring system and correctly

	wired EN/ISO 13849-1 Can reach SIL 3 with the appropriate monitoring system and correctly wired 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	1.18 in (30 mm)
length	1.54 in (39 mm)
net weight	0.32 lb(US) (0.146 kg)

Environment

standards	EN/IEC 60947-5-1 EN/ISO 12100 UL 508 EN/IEC 60204-1 CSA C22.2 No 14 ISO 14119
product certifications	BG UL CSA
protective treatment	TH
ambient air temperature for operation	-13...185 °F (-25...85 °C)
ambient air temperature for storage	-40...185 °F (-40...85 °C)
vibration resistance	10 gn 10...150 Hz)IEC 60068-2-6
shock resistance	30 gn 11 ms IEC 60068-2-27
maximum sensitivity to magnetic fields	0.3 mT
electrical shock protection class	Class II EN/IEC 61140
IP degree of protection	IP66 IEC 60529 IP67 IEC 60529

Offer Sustainability

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