

Product Datasheet

Characteristic

XCSDMR5912

coded magnetic switch XCSDMR - 1 NC
+ 1 NO - 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	1 NC + 1 NO
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
local signalling	1 LED
approach directions	1 direction
System 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)
[Ie] rated operational current	<= 100 mA
[Uimp] rated impulse withstand voltage	2.5 kV conforming to EN/IEC 60947-5-1
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	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	1.18 in (30 mm)
length	1.54 in (39 mm)
product weight	0.32 lb(US) (0.146 kg)

Environment

standards	EN 1088 EN/IEC 60204-1 EN/IEC 60947-5-1 EN/ISO 12100 ISO 14119 UL 508 CSA C22.2 No 14
product certifications	BG CSA UL
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 (f = 10...150 Hz) conforming to IEC 60068-2-6
shock resistance	30 gn 11 ms conforming to IEC 60068-2-27
sensitivity to magnetic fields	>= 0.3 mT
electrical shock protection class	class II conforming to EN/IEC 61140
IP degree of protection	IP66 conforming to IEC 60529 IP67 conforming to IEC 60529

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0729 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold