

Product datasheet

Specifications



coded magnetic switch XCSDMP - 1
NC + 2 NO - 1 NO staggered - M12
0.15m

Local distributor code: 388806324 XCSDMP501L01M12

Main

Range of product Telemecanique Safety switches XCS

Product or component type Coded magnetic switch

Component name XCSDMP

Design Rectangular, standard

Size 88 x 25 x 13 mm

Contacts type and composition 1 NC + 2 NO

Contact operation 1 NO staggered

Material Plastic

Electrical connection Connector on flying lead

Connector type M12

Cable length 0.15 m

Number of poles 3

Local signalling 1 LED

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

Maximum [le] 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 100 V DC

Switching capacity in mA 5...100 mA

Insulation resistance	1000 MΩ
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
Depth	13 mm
Height	88 mm
Width	25 mm
Net weight	0.18 kg

Environment

Standards	CSA C22.2 No 14 EN/ISO 12100 EN/IEC 60947-5-1 EN/IEC 60204-1 UL 508 ISO 14119
Product certifications	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

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	117.0 g
Package 1 Height	4 cm
Package 1 width	5 cm
Package 1 Length	17 cm
Unit Type of Package 2	S02
Number of Units in Package 2	40
Package 2 Weight	4.97 kg
Package 2 Height	15 cm
Package 2 width	30 cm

Package 2 Length	40 cm
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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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