

Product data sheet

Specifications



Coded magnetic switch,
Telemecanique Safety switches
XCS, XCSDMC, 2 NC, staggered, 2
m

XCSDMC7912

Main

Range of product Telemecanique Safety switches XCS

Product or component type Coded magnetic switch

Component name XCSDMC

Design Rectangular, compact

Size 51 x 16 x 7 mm

Contacts type and composition 2 NC

Contact operation Staggered

Material Plastic

Electrical connection Pre-cabled

Cable composition 4 x 0.25 mm²

Cable length 2 m

Number of poles 2

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 5 mm

[Sar] assured tripping distance 15 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	7 mm
Height	51 mm
Width	16 mm
Net weight	0.101 kg

Environment

Standards	UL 508 EN/IEC 60947-5-1 CSA C22.2 No 14 EN/ISO 12100 EN/IEC 60204-1 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	IP66 conforming to IEC 60529 IP67 conforming to IEC 60529

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.0 cm
Package 1 Width	15.0 cm
Package 1 Length	15.0 cm
Package 1 Weight	112.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	20
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm

Package 2 Weight	2.566 kg
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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
California proposition 65	WARNING: This product can expose you to chemicals including: Diisobutyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Contractual warranty

Warranty	18 months
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Recommended replacement(s)