

Product data sheet

Specifications



Coded magnetic switch,
Telemecanique Safety switches
XCS, XCSDMP, 1 NC + 1 NO,
staggered, 2 m

XCSDMP5902

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 + 1 NO

Contact operation Staggered

Material Plastic

Electrical connection Pre-cabled

Cable composition 4 x 0.25 mm²

Cable length 2 m

Number of poles 2

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 10 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 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 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	EN/ISO 12100 EN/IEC 60204-1 ISO 14119 CSA C22.2 No 14 EN/IEC 60947-5-1 UL 508
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	2.000 cm
Package 1 Width	12.000 cm
Package 1 Length	14.000 cm
Package 1 Weight	172.900 g
Unit Type of Package 2	S02
Number of Units in Package 2	20
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	3.789 kg

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)