

Product data sheet

Characteristics

XCSDMC5905

Coded magnetic switch, Telemecanique

Safety switches XCS, XCSDMC, 1 NC + 1 NO,
staggered, 5 m



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	1 NC + 1 NO
Contact operation	Staggered
Material	Plastic
Electrical connection	Pre-cabled
Cable composition	4 x 0.25 mm ²
Cable length	5 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	5 mm
[Sar] assured tripping distance	15 mm
Maximum [le] rated operational current	100 mA
[Uiimp] rated impulse withstand voltage	2.5 kV 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 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	ISO 14119 EN/ISO 12100 EN/IEC 60947-5-1 CSA C22.2 No 14 EN/IEC 60204-1 UL 508
Product certifications	BG 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 Weight	210 g
Package 1 Height	4.2 cm
Package 1 width	19.4 cm
Package 1 Length	19.1 cm
Unit Type of Package 2	BAG
Number of Units in Package 2	1
Package 2 Weight	210 g
Package 2 Height	4.2 cm
Package 2 width	19.4 cm
Package 2 Length	19.1 cm
Unit Type of Package 3	S02
Number of Units in Package 3	15
Package 3 Weight	3.666 kg
Package 3 Height	15 cm
Package 3 width	30 cm
Package 3 Length	40 cm

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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