Product data sheet
Characteristics

XCSDMR5902
Coded magnetic switch, Telemecanique Safety switches XCS, XCSDMR, 1 NC + 1 NO, staggered, 2 m



Main

Range of Product	Telemecanique Safety switches XCS
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 mm²
Cable length	6.56 ft (2 m)
Number of poles	2
Approach directions	1 direction
[Ue] rated operational 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)
Maximum [Ie] rated operational current	100 mA
[Uimp] 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 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 EN/ISO 13849-1 Can reach PL = e with the appropriate monitoring system and correctly wired EN/ISO 13849-1 Can reach SIL 3 with the appropriate monitoring system and correctly wired 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)
Net Weight	0.32 lb(US) (0.146 kg)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
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Environment

Standards	UL 508 ISO 14119 CSA C22.2 No 14 EN/IEC 60204-1 EN/ISO 12100 EN/IEC 60947-5-1
Product Certifications	UL CSA
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 10…150 Hz)IEC 60068-2-6
Shock resistance	30 gn 11 ms IEC 60068-2-27
Maximum sensitivity to magnetic fields	0.3 mT
Electrical shock protection class	Class II EN/IEC 61140
IP degree of protection	IP66 conforming to IEC 60529 IP67 conforming to IEC 60529

Ordering and shipping details

Category	22411-LIMIT SWITCHES,IEC,XCKJ
Discount Schedule	T
GTIN	3389110971804
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.73 in (4.4 cm)
Package 1 Width	5.12 in (13.0 cm)
Package 1 Length	6.46 in (16.4 cm)
Package 1 Weight	5.57 oz (158.0 g)
Unit Type of Package 2	S02
Number of Units in Package 2	20
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	7.61 lb(US) (3.451 kg)

Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl 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
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