

Product data sheet

Characteristics

XCSDMC59030EX

Coded magnetic switch, Telemecanique
Safety switches XCS, XCSDMC, 1 NC+1 NO,
staggered, cable 30 m



Main

Range of product	Telemecanique Safety switches XCS
Product or component type	Coded magnetic switch
Device short name	XCSDMC
Material	Plastic
Contacts type and composition	1 NC + 1 NO
Contact operation	Staggered
Electrical connection	Pre-cabled
Cable composition	4 x 0.25 mm ²
Cable length	30 m
Design	Rectangular, compact
Size	51 x 16 x 7 mm
Number of poles	2

Complementary

[Sa] assured operating distance	5 mm
[Sar] assured tripping distance	15 mm
Approach directions	3 directions
[Ue] rated operational voltage	24 V DC
Maximum [Ie] rated operational current	100 mA
[Ui] rated insulation voltage	100 V DC
[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
Net weight	0.101 kg

Environment

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
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 IEC 60536
IP degree of protection	IP66 conforming to IEC 60529 IP67 conforming to IEC 60529
Enclosure material	Thermoplastic PBT
Cable material	PVC
Dust zone	According to protection mode mD, tD and ia Zone 0 - 1 - 2/20 - 21 - 22
Product certifications	INERIS 07ATEX0036
Standards	EN 60079-0 EN 60079-11 EN 60079-18 EN 60079-31 EN/ISO 13849-1
Directives	2014/34/EU - ATEX directive

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.000 cm
Package 1 Width	21.000 cm
Package 1 Length	23.000 cm
Package 1 Weight	1.128 kg
Unit Type of Package 2	S02
Number of Units in Package 2	4
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	4.805 kg

Offer Sustainability

Toxic heavy metal free	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
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com