

# XCSDMC5902

Coded magnetic switch, Telemecanique  
Safety switches XCS, XCSDMC, 1 NC + 1 NO,  
staggered, 2 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 <sup>2</sup>
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	5 mm
[Sar] assured tripping distance	15 mm
Maximum [Ie] rated operational current	100 mA
[Uimp] rated impulse withstand voltage	2.5 kV conforming to 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 ISO 13849-1 Can reach PL = e with the appropriate monitoring system and correctly wired conforming to 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

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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither TWSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

Standards	ISO 14119 CSA C22.2 No 14 IEC 60947-5-1 ISO 12100 UL 508 IEC 60204-1
Product certifications	UL[RETURN]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 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	3.800 cm
Package 1 Width	13.500 cm
Package 1 Length	15.000 cm
Package 1 Weight	104.000 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	2.565 kg
Unit Type of Package 3	P06
Number of Units in Package 3	320
Package 3 Height	77.000 cm
Package 3 Width	80.000 cm
Package 3 Length	60.000 cm
Package 3 Weight	49.540 kg

## Offer Sustainability

Toxic heavy metal free	Yes
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
For all Reach Rohs enquiries contact us at	<a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>

## Contractual warranty

Warranty	18 months
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