

Coded magnetic switch, Telemecanique Safety switches XCS, XCS DMP, 2 NC, staggered, M12 0.15 m



Main

Range of product Telemecanique Safety switches XCS

Product or component type Coded magnetic switch

Component name XCS DMP

Design Rectangular, standard

Size 88 x 25 x 13 mm

Contacts type and composition 2 NC

Contact operation Staggered

Material Plastic

Electrical connection Connector on flying lead

Connector type M12

Cable length 0.15 m

Number of poles 2

Local signalling 1 LED

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 IEC 60947-5-1
Resistance across terminals	57 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	5...100 mA
Insulation resistance	1000 MOhm
Breaking capacity	3 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	13 mm
Height	88 mm
Width	25 mm
Net weight	0.18 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 risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither TMSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

Standards	ISO 12100 UL 508 CSA C22.2 No 14 IEC 60204-1 IEC 60947-5-1 ISO 14119
Product certifications	CSA[RETURN]JUL
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	IP67 conforming to IEC 60529

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.000 cm
Package 1 Width	4.000 cm
Package 1 Length	20.000 cm
Package 1 Weight	115.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	40
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	4.877 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 <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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