

# Product datasheet

Specifications

## coded magnetic switch XCSDMR - 1 NC + 1 NO - staggered - 2m



Local distributor code: 386308002 XCSDMR5912

EAN Code : 3389110971828

### 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 mm <sup>2</sup>
Cable length	2 m
Number of poles	2
Local signalling	1 LED
Approach directions	1 direction
[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 [Ie] rated operational current	100 mA
[Uimp] rated impulse withstand voltage	2.5 kV conforming to EN/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

<b>Insulation resistance</b>	1000 MOhm
<b>Breaking capacity</b>	3 VA
<b>Switching frequency</b>	150 Hz
<b>Safety level</b>	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 EN/IEC 61508
<b>Safety reliability data</b>	B10d = 50000000 value given for a life time of 20 years limited by mechanical or contact wear
<b>Enclosure material</b>	Thermoplastic PBT
<b>Cable material</b>	PVC
<b>Diameter</b>	30 mm
<b>Length</b>	39 mm
<b>Net weight</b>	0.146 kg

## Environment

<b>Standards</b>	EN/IEC 60947-5-1 ISO 14119 EN/ISO 12100 CSA C22.2 No 14 EN/IEC 60204-1 UL 508
<b>Product certifications</b>	CSA UL
<b>Protective treatment</b>	TH
<b>Ambient air temperature for operation</b>	-25...85 °C
<b>Ambient air temperature for storage</b>	-40...85 °C
<b>Vibration resistance</b>	10 gn (f= 10...150 Hz) conforming to IEC 60068-2-6
<b>Shock resistance</b>	30 gn for 11 ms conforming to IEC 60068-2-27
<b>Maximum sensitivity to magnetic fields</b>	0.3 mT
<b>Electrical shock protection class</b>	Class II conforming to EN/IEC 61140
<b>IP degree of protection</b>	IP66 conforming to IEC 60529 IP67 conforming to IEC 60529

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	4.9 cm
<b>Package 1 Width</b>	13.9 cm
<b>Package 1 Length</b>	15.7 cm
<b>Package 1 Weight</b>	158.0 g
<b>Unit Type of Package 2</b>	S02
<b>Number of Units in Package 2</b>	20
<b>Package 2 Height</b>	15.0 cm
<b>Package 2 Width</b>	30.0 cm
<b>Package 2 Length</b>	40.0 cm
<b>Package 2 Weight</b>	3.498 kg

## Offer Sustainability

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REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>

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## Contractual warranty

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Warranty	18 months
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## Recommended replacement(s)