

Product data sheet

Specifications



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

XCSDMC5902

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 mm²
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

Disclaimer: 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

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

Environment

Standards	ISO 14119 CSA C22.2 No 14 IEC 60947-5-1 ISO 12100 UL 508 IEC 60204-1
Product Certifications	UL 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

Contractual warranty

Warranty	18 months
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Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

Well-being performance

✓	Reach Free Of Svhc	
✓	Toxic Heavy Metal Free	
✓	Mercury Free	
✓	Rohs Exemption Information	Yes
Reach Regulation	REACH Declaration	
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration	
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 Diisodecyl 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	