

# XCSDMC590L01M8

coded magnetic switch XCSDMC - 1 NC + 1  
NO - staggered - M8 0.15m

Product availability: Stock - Normally stocked in distribution facility



## Main

Range of product	Preventa Safety detection
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	Connector on flying lead
Connector type	M8
Cable length	0.49 ft (0.15 m)
Number of poles	2
Approach directions	3 directions
System Voltage	24 V DC
[Ui] rated insulation voltage	100 V DC

## Complementary

[Sa] assured operating distance	0.2 in (5 mm)
[Sar] assured tripping distance	0.59 in (15 mm)
[Ie] rated operational current	<= 100 mA
[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	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 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
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	0.28 in (7 mm)
Height	2.01 in (51 mm)
Width	0.63 in (16 mm)
Product weight	0.22 lb(US) (0.101 kg)

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## Environment

Standards	CSA C22.2 No 14 EN/IEC 60204-1 UL 508 EN/IEC 60947-5-1 EN/ISO 12100 ISO 14119
Product certifications	BG UL CSA
Protective treatment	TH
Ambient air temperature for operation	-13...185 °F (-25...85 °C)
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Vibration resistance	10 gn (f = 10...150 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn 11 ms conforming to IEC 60068-2-27
Sensitivity to magnetic fields	<= 0.3 mT
Electrical shock protection class	Class II conforming to EN/IEC 61140
IP degree of protection	IP67 conforming to IEC 60529

## Ordering and shipping details

Category	22411 - LIMIT SWITCHES,IEC,XCKJ
Discount Schedule	T
GTIN	00785901570127
Nbr. of units in pkg.	1
Package weight(Lbs)	0.10000000000000001
Returnability	Y
Country of origin	FR

## Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 0729 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
California proposition 65	WARNING: This product can expose you to chemicals including:
----- Substance 1	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
----- Substance 2	Diisodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
----- More information	For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>

## Contractual warranty

Warranty period	18 months
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