



Main

Range of product	Preventa ATEX D
Product or component type	Coded magnetic switch
Device short name	XCSDMC
Material	Plastic
Contacts type and composition	1 NC + 1 NO
Contact operation	Staggered
Electrical connection	Pre-cabled
Cable composition	4 x 0.25 mm ²
Cable length	2 m
Design	Rectangular, compact
Size	51 x 16 x 7 mm
Number of poles	2

Complementary

[Sa] assured operating distance	5 mm
[Sar] assured tripping distance	15 mm
Approach directions	3 directions
[Ue] rated operational voltage	24 V DC
[Ie] rated operational current	<= 100 mA
[Ui] rated insulation voltage	100 V DC
[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, 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
Product weight	0.101 kg

Environment

Safety level	Can reach category 4 conforming to EN/ISO 13849-1 with the appropriate monitoring system and correctly wired Can reach PL = e conforming to EN/ISO 13849-1 with the appropriate monitoring system and correctly wired Can reach SIL 3 conforming to IEC 61508 with the appropriate monitoring system and correctly wired
Safety reliability data	B10d = 50000000 value given for a life time of 20 years limited by mechanical or contact wear
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
Sensitivity to magnetic fields	<= 0.3 mT

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Electrical shock protection class	Class II conforming to IEC 60536
IP degree of protection	IP66 conforming to IEC 60529 IP67 conforming to IEC 60529
Enclosure material	Thermoplastic PBT
Cable material	PVC
Marking	II2 G/D-Ex ia A0/20 IP67 T135°C II2 G/D-Ex Ex mb II T4 II1 G/D-Ex ia IIB T4 II1 G/D-Ex iaD 20 T135°C
Dust zone	Zone 0 - 1 - 2/20 - 21 - 22 According to protection mode mD, tD and ia
Product certifications	INERIS 04ATEX0036
Standards	EN/ISO 13849-1 EN 60079-0 EN 60079-31 EN 60079-11
Directives	2014/34/EU - ATEX directive

Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 0915 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold

Contractual warranty

Warranty period	18 months 18 months
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