Product datasheet
Characteristics

XCSDMC59010EX
coded magnetic switch XCSDMC - ATEX - 1 NC+1 NO, staggered - cable 10 m



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
Contacts operation	Staggered
Electrical connection	Pre-cabled
Cable composition	4 x 0.25 mm²
Cable length	10 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 A
[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
Class of protection against electric shock	Class II conforming to IEC 60536

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IP degree of protection	IP66 conforming to IEC 60529 IP67 conforming to IEC 60529
Enclosure material	Thermoplastic PBT
Cable material	PVC
Marking	II1 D-Ex ia III Da T135°C II2 D-Ex tb IIIC T135°C Db IP67
Dust zone	Zone 0 - 1 - 2/20 - 21 - 22 According to protection mode mD, tD and ia
Product certifications	BG CSA UL INERIS 04ATEX0036
Standards	Directive ATEX 94/9/EC EN 1088 EN/ISO 13849-1 EN 60079-0 EN 60079-18 EN 60079-31

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS	Compliant - since 0915 - Schneider Electric declaration of conformity