Product datasheet
Characteristics

XCSDMC7902EX
coded magnetic switch XCSDMC - ATEX - 2 NC, staggered - cable 2 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	2 NC
Contacts operation	Staggered
Electrical connection	Pre-cabled
Cable composition	4 x 0.25 mm²
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 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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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.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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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	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	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