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
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
[le] rated operational current
≤ 100 mA
[Um] 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

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.
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
7 mm

Height
51 mm

Width
16 mm

Product weight
0.101 kg

Environment

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

Product certifications
BG
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

Sensitivity to magnetic fields
<= 0.3 mT

Electrical shock protection class
Class II conforming to EN/IEC 61140

IP degree of protection
IP66 conforming to IEC 60529
IP67 conforming to IEC 60529

Offer Sustainability

RoHS (date code: YYWW)
Compliant - since 0729 - Schneider Electric declaration of conformity

REACH
Reference not containing SVHC above the threshold

Contractual warranty

Warranty period
18 months