



Main

Range of product	Preventa Safety detection
Product or component type	Coded magnetic system
Component name	XCSDM3
Design	Rectangular
Size	100 x 34 x 32 mm
Contacts type and composition	1 NO + 1 NO
Material	Plastic
Electrical connection	Pre-cabled
Cable composition	6 x 0.25 mm ²
Cable length	10 m
Ohmic cable resistance	900 mOhm
Local signalling	1 LED (green, orange and red)
Approach directions	9 directions
[Ue] rated operational voltage	24 V DC (- 20...10 %)
[Ui] rated insulation voltage	36 V DC

Complementary

Cable outer diameter	6.1 mm
Type of output stage	Solid-state, PNP
Safety outputs	2 outputs 1.5 A, 24 V, DC
[Sa] assured operating distance	10 mm
[Sar] assured tripping distance	20 mm
Minimum actuation speed	0.01 m/s
[Uimp] rated impulse withstand voltage	2.5 kV conforming to EN/IEC 60947-5-1
Protection type	Overload and short-circuit protection
Switching frequency	3 Hz
Time delay	100 ms (activation)
Discordance time	2 s
[HFT] Hardware Fault Tolerance	1
Tightening torque	<= 1.8 N.m
Installed device	32 maximum with 2 m long cable

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

Marking	CE
Safety level	Can reach category 3 (correctly wired) conforming to EN/ISO 13849-1 Can reach PL = d (correctly wired) conforming to EN/ISO 13849-1 Can reach SIL 2 (correctly wired) conforming to EN/IEC 61508
Safety reliability data	HFT = 1 MTTFd = 182 years PFD = 1.15E-5 PFH = 3.94E-9 SF = 92.5 %
Enclosure material	Thermoplastic PBT
Cable material	PVC
Depth	32 mm
Height	100 mm
Width	34 mm
Product weight	0.745 kg

Environment

Standards	EN 1088 EN 13849-1 EN/IEC 60947-5-1 EN/IEC 60947-5-2 EN/IEC 60947-5-3 EN/IEC 62061 IEC 61508 ISO 14119
Product certifications	CSA TÜV UL
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
Vibration resistance	10 gn (f = 10...500 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn for 11 ms conforming to IEC 60068-2-27
Sensitivity to magnetic fields	<= 0.5 mT
Electrical shock protection class	Class III conforming to EN/IEC 61140
IP degree of protection	IP66 conforming to IEC 60529 IP67 conforming to IEC 60529 IP69K conforming to DIN 40050

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 Reference not containing SVHC above the threshold

Contractual warranty

Warranty period	18 months
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