

Main

Range of product	Preventa Safety detection
Product or component type	Coded magnetic system
Component name	XCSDM4
Material	Plastic
Electrical connection	Pre-cabled
Cable composition	8 x 0.25 mm
Cable length	2 m
Ohmic cable resistance	180 mOhm
Design	Rectangular
Size	100 x 34 x 32 mm
Contacts type and composition	1 NO + 1 NO
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
Alarm output	1 solid-state output, 0.5 A, 24 V, DC, PNP
[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
Marking	CE
Safety level	PL = e (correctly wired) conforming to EN/ISO 13849-1 SIL 3 (correctly wired) conforming to IEC 61508 Category 4 (correctly wired) conforming to EN/ISO 13849-1
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
Product weight	0.32 kg

Environment

Standards	EN/IEC 60947-5-1 EN/IEC 60947-5-2 EN/IEC 60947-5-3 EN/IEC 62061 EN 1088 EN 13849-1 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
Class of protection against electric shock	Class III conforming to IEC 61140
IP degree of protection	IP66 conforming to IEC 60529 IP67 conforming to IEC 60529 IP69 K conforming to DIN 40050
RoHS EUR conformity date	4Q2009
RoHS EUR status	Will be compliant

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