



Main

Range of product	Preventa Safety detection
Product or component type	Coded magnetic system
Component name	XCSDM4
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	8 x 0.25 mm
Cable length	10 m
Ohmic cable resistance	900 mOhm
Local signalling	Green, orange and red 1 LED
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



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

Installed device	32 maximum with 2 m long cable
Marking	CE
Safety level	Category 4 correctly wired conforming to EN/ISO 13849-1 PL = e correctly wired conforming to EN/ISO 13849-1 SIL 3 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
Net weight	0.745 kg

Environment

Standards	ISO 14119 EN 13849-1 IEC 61508 EN/IEC 62061 EN/IEC 60947-5-1 EN/IEC 60947-5-2 EN/IEC 60947-5-3
Product certifications	TÜV UL CSA
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 gnfor 11 ms conforming to IEC 60068-2-27
Maximum 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

REACH Regulation	 REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration

Contractual warranty

Warranty	18 months
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