



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	6.56 ft (2 m)
Ohmic cable resistance	180 mOhm
Local signalling	1 LED (green, orange and red)
Approach directions	9 directions
System Voltage	24 V DC (- 20...10 %)
[Ui] rated insulation voltage	36 V DC

Complementary

Cable outer diameter	0.24 in (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	0.39 in (10 mm)
[Sar] assured tripping distance	0.79 in (20 mm)
Minimum actuation speed	0.03 ft/s (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	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	1.26 in (32 mm)
Height	3.94 in (100 mm)
Width	1.34 in (34 mm)
Product weight	0.71 lb(US) (0.32 kg)

Environment

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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	-13...158 °F (-25...70 °C)
ambient air temperature for storage	-40...185 °F (-40...85 °C)
vibration resistance	10 gn (f = 10...500 Hz) conforming to IEC 60068-2-6
shock resistance	30 gn 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

Not Green Premium product	Not Green Premium product
Compliant - since 0729 - Schneider Electric declaration of conformity	Compliant - since 0729 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
For more information go to www.p65warnings.ca.gov	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
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