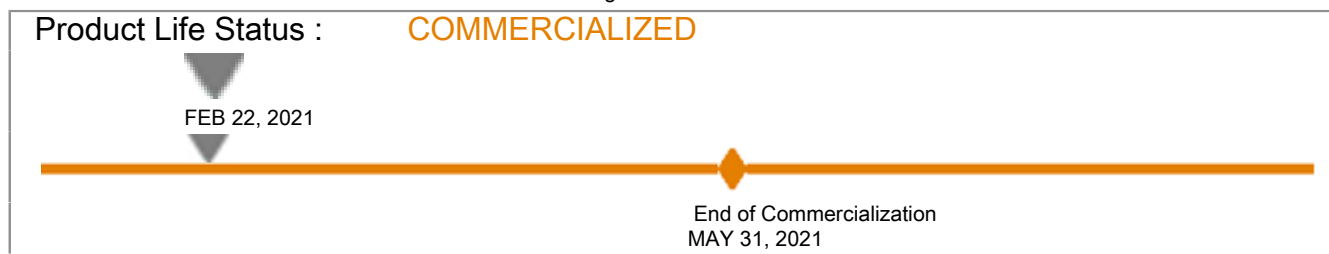


Main

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	Connector
Connector type	M12
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

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 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
Depth	32 mm
Height	100 mm
Width	34 mm
Net weight	0.215 kg

Environment

Standards	IEC 61508 ISO 14119 EN/IEC 62061 EN 13849-1 EN/IEC 60947-5-2 EN/IEC 60947-5-1 EN/IEC 60947-5-3
Product certifications	CSA UL TÜV
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
Maximum sensitivity to magnetic fields	0.5 mT
Electrical shock protection class	Class III conforming to EN/IEC 61140
IP degree of protection	IP67 conforming to IEC 60529

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	234 g
Package 1 Height	4.7 cm
Package 1 width	11.3 cm
Package 1 Length	18 cm
Unit Type of Package 2	S02
Number of Units in Package 2	12
Package 2 Weight	3.131 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm

Offer Sustainability

REACH Regulation	 REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	 Yes

Contractual warranty

Warranty	18 months
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