Product data sheet
Characteristics

XCSDM379110
coded magnetic system XCSDM3 - SIL 2 - 2 PNP outputs - cable 10m

Product Life Status : END OF STANDARD SERVICE

TODAY
FEB 22, 2021

End of Commercialization
MAR 09, 2020

End of Standard Service
MAR 09, 2020



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 mm²
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

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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	EN/IEC 60947-5-1 2.5 kV
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

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Installed device	32 maximum with 2 m long cable
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
Net weight	0.745 kg

Environment

Standards	EN 13849-1 EN/IEC 60947-5-1 EN/IEC 60947-5-3 EN/IEC 60947-5-2 EN/IEC 62061 IEC 61508 ISO 14119
Product certifications	UL TÜV 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 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	IP66 conforming to IEC 60529 IP67 conforming to IEC 60529 IP69K conforming to DIN 40050

Packing Units

Package 1 Weight	0.724 kg
Package 1 Height	0.500 dm
Package 1 width	1.800 dm
Package 1 Length	1.900 dm

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