

XCSDM480102

Coded magnetic system, Telemecanique
Safety switches XCS, XCSDM4, SIL 3, 2 PNP
outputs, cable 2 m



Main

Range of product	Telemecanique Safety switches XCS
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	2 m
Ohmic cable resistance	180 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
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	0.32 kg

Environment

Standards	EN/IEC 60947-5-2 ISO 14119 EN/IEC 62061 EN 13849-1 EN/IEC 60947-5-1 IEC 61508 EN/IEC 60947-5-3
Product certifications	TÜV[RETURN]UL[RETURN]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

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5 cm
Package 1 Width	16 cm
Package 1 Length	21 cm
Package 1 Weight	354 g

Offer Sustainability

Toxic heavy metal free	Yes
California proposition 65	WARNING: This product can expose you to chemicals including: 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. For more information go to www.P65Warnings.ca.gov
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

Warranty	18 months
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