

XCSDM3791M12

coded magnetic system XCSDM3 - SIL 2 - 2 PNP
outputs - connector



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	Connector
Connector type	M12
Local signalling	1 LED (green, orange and red)
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
[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	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
Depth	32 mm
Height	100 mm
Width	34 mm
Product weight	0.215 kg

Environment

Standards	EN 1088 EN 13849-1 EN/IEC 60947-5-1 EN/IEC 60947-5-2 EN/IEC 60947-5-3 EN/IEC 62061
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	IEC 61508 ISO 14119
Product certifications	CSA TÜV UL
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
Sensitivity to magnetic fields	<= 0.5 mT
Class of protection against electric shock	Class III conforming to IEC 61140
IP degree of protection	IP67 conforming to IEC 60529

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS	Compliant - since 0729 - Schneider Electric declaration of conformity