



Main

Range of product	Preventa Safety detection
Product or component type	Coded magnetic switch
Component name	XCSDMR
Design	Cylindrical
Size	Ø 30 x 38.5 mm
Contacts type and composition	1 NC + 1 NO
Contact operation	Staggered
Material	Plastic
Electrical connection	Connector on flying lead
Connector type	M12
Cable length	0.49 ft (0.15 m)
Number of poles	2
Local signalling	1 LED
Approach directions	1 direction
System Voltage	24 V DC
[Uij] rated insulation voltage	100 V DC

Complementary

[Sa] assured operating distance	0.31 in (8 mm)
[Sar] assured tripping distance	0.79 in (20 mm)
[Ie] rated operational current	<= 100 mA
[Uimp] rated impulse withstand voltage	2.5 kV conforming to EN/IEC 60947-5-1
Resistance across terminals	57 Ohm
Short-circuit protection	500 mA external cartridge fuse type gG (gl)
Contacts material	Rhodium
Electrical durability	1200000 cycles
Maximum switching voltage	DC
Switching capacity in mA	5...100 mA
Insulation resistance	1000 MOhm
Breaking capacity	<= 3 VA
Switching frequency	150 Hz
Safety level	Can reach category 4 (with the appropriate monitoring system and correctly wired) conforming to EN/ISO 13849-1 Can reach PL = e (with the appropriate monitoring system and correctly wired) conforming to EN/ISO 13849-1 Can reach SIL 3 (with the appropriate monitoring system and correctly wired) conforming to EN/IEC 61508
Safety reliability data	B10d = 50000000 (value given for a life time of 20 years limited by mechanical or contact wear)
Enclosure material	Thermoplastic PBT
Cable material	PVC
Diameter	1.18 in (30 mm)
Length	1.54 in (39 mm)
Product weight	0.32 lb(US) (0.146 kg)

Environment

standards	EN 1088 EN/IEC 60204-1 EN/IEC 60947-5-1 EN/ISO 12100 ISO 14119
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The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

UL 508
CSA C22.2 No 14

product certifications	BG CSA UL
protective treatment	TH
ambient air temperature for operation	-13...185 °F (-25...85 °C)
ambient air temperature for storage	-40...185 °F (-40...85 °C)
vibration resistance	10 gn (f = 10...150 Hz) conforming to IEC 60068-2-6
shock resistance	30 gn 11 ms conforming to IEC 60068-2-27
sensitivity to magnetic fields	>= 0.3 mT
electrical shock protection class	Class II conforming to EN/IEC 61140
IP degree of protection	IP67 conforming to IEC 60529

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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