



### Main

Range of product	Preventa Safety detection
Product or component type	Coded magnetic switch
Component name	XCSMP
Design	Rectangular, standard
Size	88 x 25 x 13 mm
Contacts type and composition	2 NC + 1 NO
Contact operation	1 NC staggered
Material	Plastic
Electrical connection	Pre-cabled
Cable composition	6 x 0.25 mm <sup>2</sup>
Cable length	2 m
Number of poles	3
Approach directions	3 directions
[Ue] rated operational voltage	24 V DC
[Ui] rated insulation voltage	100 V DC

### Complementary

[Sa] assured operating distance	8 mm
[Sar] assured tripping distance	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	10 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	0.1...100 mA
Insulation resistance	1000 MOhm
Breaking capacity	<= 10 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

Disclaimer: 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

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
Depth	13 mm
Height	88 mm
Width	25 mm
Product weight	0.18 kg

## Environment

Standards	UL 508 EN/IEC 60947-5-1 EN/IEC 60204-1 CSA C22.2 No 14 EN/ISO 12100
Product certifications	BG UL CSA
Protective treatment	TH
Ambient air temperature for operation	-25...85 °C
Ambient air temperature for storage	-40...85 °C
Vibration resistance	10 gn (f = 10...150 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn for 11 ms conforming to IEC 60068-2-27
Sensitivity to magnetic fields	>= 0.3 mT
Electrical shock protection class	Class II conforming to EN/IEC 61140
IP degree of protection	IP66 conforming to IEC 60529 IP67 conforming to IEC 60529

## Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 0729 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>

## Contractual warranty

Warranty period	18 months
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