

# XCSD3710N12

safety limit switch - metal - steel plunger - 2NC  
+1NO - 1 entry tapped 1/2" NPT



## Main

Range of product	Preventa Safety detection
Product or component type	Safety limit switch
Component name	XCSD
Design	Compact
Material	Metal
Head type	Plunger head
Protection technology	Plastic protective cover, secured by 5-lobe socket head safety screw
Type of approach	On end approach
Type of operator	Metal end plunger
Contacts type and composition	1 NC + 1 NC + 1 NO
Contact operation	Slow-break, break before make
Cable entry	1 entry tapped for 1/2" NPT

## Complementary

Electrical connection	Terminal
Clamping connection capacity	1 x 0.34...2 x 0.75 mm <sup>2</sup>
Number of poles	3
Positive opening	With NC contact
Mechanical durability	15000000 cycles
Minimum force for tripping	15 N
Positive opening minimum force	45 N
Minimum actuation speed	0.01 m/s
Maximum actuation speed	0.5 m/s
Contact code designation	B300, AC-15 (Ue = 240 V, Ie = 1.5 A) conforming to EN/IEC 60947-5-1 appendix A R300, DC-13 (Ue = 250 V, Ie = 0.1 A) conforming to EN/IEC 60947-5-1 appendix A
[Ithe] conventional enclosed thermal current	6 A
[Ui] rated insulation voltage	300 V conforming to UL 508 400 V (pollution degree 3) conforming to EN/IEC 60947-1 300 V conforming to CSA C22.2 No 14
[Uimp] rated impulse withstand voltage	EN/IEC 60947-1 4 kV IEC 60664 4 kV
Maximum resistance across terminals	25 MOhm conforming to IEC 60255-7 category 3
Short-circuit protection	6 A cartridge fuse type gG (gl)
Repeat accuracy	0.1 mm on tripping points, 1 million operating cycles for head with end plunger
Body material	Zamak
Head material	Zamak
Enclosure material	Plastic
Depth	35 mm
Height	89 mm
Width	34 mm
Net weight	0.215 kg

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## Environment

Standards	EN 1088/ISO 14119 CSA C22.2 No 14 UL 508 EN/IEC 60204-1 EN/IEC 60947-5-1
Product certifications	UL CSA
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 IEC 61508
Safety reliability data	B10d = 50000000 value given for a life time of 20 years limited by mechanical or contact wear
Protective treatment	TC
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...70 °C
Vibration resistance	25 gn (f= 10...500 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27
Electrical shock protection class	Class I conforming to NF C 20-030 Class I conforming to EN/IEC 61140
IP degree of protection	IP66 conforming to IEC 60529 IP67 conforming to IEC 60529
IK degree of protection	IK06 conforming to EN 50102

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	219 g
Package 1 Height	10.5 cm
Package 1 width	3.3 cm
Package 1 Length	4.3 cm

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	 <a href="#">Yes</a>
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>

## Contractual warranty

Warranty	18 months
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