

Product Datasheet

Characteristic

XCSD3918N12

safety limit switch - metal - rotary lever -
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	rotary head
protection technology	plastic protective cover, secured by 5-lobe socket head safety screw
type of operator	thermoplastic roller lever
contacts type and composition	1 NC + 1 NC + 1 NO
contacts operation	snap action
cable entry	1 entry tapped 1/2" NPT

Complementary

electrical connection	terminal
clamping connection capacity	1 x 0.34...2 x 0.75 mm ²
switch actuation	by 30° cam
number of poles	3
positive opening	with NC contact
mechanical durability	10000000 cycles
minimum torque for tripping	0.88 lbf.in (0.1 N.m)
positive opening minimum torque	2.21 lbf.in (0.25 N.m)
maximum actuation speed	4.92 ft/s (1.5 m/s)
contact code designation	B300, AC-15 (U _e = 240 V, I _e = 1.5 A) conforming to EN/IEC 60947-5-1 appendix A R300, DC-13 (U _e = 250 V, I _e = 0.1 A) conforming to EN/IEC 60947-5-1 appendix A
[I _{th}] conventional enclosed thermal current	6 A
[U _i] rated insulation voltage	300 V conforming to UL 508 400 V (degree of pollution: 3) conforming to EN/IEC 60947-1 300 V conforming to CSA C22.2 No 14
[U _{imp}] rated impulse withstand voltage	4 kV conforming to EN/IEC 60947-1 4 kV conforming to IEC 60664

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	1.38 in (35 mm)
height	4.8 in (122 mm)
width	1.34 in (34 mm)
product weight	0.56 lb(US) (0.255 kg)

Environment

standards	EN 1088/ISO 14119 EN/IEC 60204-1 EN/IEC 60947-5-1 UL 508 CSA C22.2 No 14
product certifications	CSA UL
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	-13...158 °F (-25...70 °C)
ambient air temperature for storage	-40...158 °F (-40...70 °C)
vibration resistance	25 gn (f = 10...500 Hz) conforming to IEC 60068-2-6
shock resistance	50 gn 11 ms conforming to IEC 60068-2-27
class of protection against electric shock	class I conforming to IEC 6140 class I conforming to NF C 20-030
IP degree of protection	IP66 conforming to IEC 60529 IP67 conforming to IEC 60529
IK degree of protection	IK06 conforming to EN 50102

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1037 -
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

Contractual warranty

Warranty period	18 months
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