

# Product data sheet

## Characteristics

# XCSD3910N12

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

Product availability : Stock - Normally stocked in distribution facility



Price\* : 72.00 USD



### 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             | 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 <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        | 0.03 ft/s (0.01 m/s)   |
| Maximum actuation speed        | 1.64 ft/s (0.5 m/s)  |
| Contact code designation       | B300, AC-15 (U <sub>e</sub> = 240 V, I <sub>e</sub> = 1.5 A) conforming to EN/IEC 60947-5-1 appendix A<br>R300, DC-13 (U <sub>e</sub> = 250 V, I <sub>e</sub> = 0.1 A) conforming to EN/IEC 60947-5-1 appendix A |

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

|  |  |
|--|--|
| [Ithe] conventional enclosed thermal current | 6 A  |
| [Ui] rated insulation voltage                | 300 V conforming to CSA C22.2 No 14<br>400 V (degree of pollution: 3) conforming to EN/IEC 60947-1<br>300 V conforming to UL 508 |
| [Uimp] rated impulse withstand voltage       | 4 kV conforming to EN/IEC 60947-1<br>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                                       | 3.5 in (89 mm)   |
| Width  | 1.34 in (34 mm)  |
| Product weight                               | 0.47 lb(US) (0.215 kg)   |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | EN 1088/ISO 14119<br>EN/IEC 60204-1<br>EN/IEC 60947-5-1<br>UL 508<br>CSA C22.2 No 14   |
| Product certifications                | CSA<br>UL  |
| Safety level                          | Can reach category 4 with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1<br>Can reach PL = e with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1<br>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   |
| Electrical shock protection class     | Class I conforming to EN/IEC 61140<br>Class I conforming to NF C 20-030  |
| IP degree of protection               | IP66 conforming to IEC 60529<br>IP67 conforming to IEC 60529   |
| IK degree of protection               | IK06 conforming to EN 50102  |

## Ordering and shipping details

|                       |                                 |
|-----------------------|---------------------------------|
| Category              | 22411 - LIMIT SWITCHES,IEC,XCKJ |
| Discount Schedule     | T                               |
| GTIN                  | 003389110240764                 |
| Nbr. of units in pkg. | 1                               |
| Package weight(Lbs)   | 0.42999999999999999             |
| Returnability         | Y                               |
| Country of origin     | FR                              |

## Offer Sustainability

|                          |   |
|--------------------------|---|
| Sustainable offer status | Green Premium product   |
| RoHS (date code: YYWW)   | Compliant - since 1037 - Schneider Electric declaration of conformity<br><a href="#">Schneider Electric declaration of conformity</a> |

|                                  |  |
|----------------------------------|--|
| REACH                            | Reference not containing SVHC above the threshold<br>Reference not containing SVHC above the threshold                     |
| Product end of life instructions | Need no specific recycling operations  |
| California proposition 65        | WARNING: This product can expose you to chemicals including:   |
| - - - - - Substance 1            | Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and                                |
| - - - - - Substance 2            | Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. |
| - - - - - More information       | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              |

### Contractual warranty

|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|