



## 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   |
| Contact operation             | Slow-break, break before make  |
| Cable entry                   | 1 entry tapped M20 x 1.5   |

## Complementary

|  |  |
|--|--|
| Electrical connection                                    | Terminal   |
| Clamping connection capacity                             | 1 x 0.34...2 x 0.75 mm <sup>2</sup>  |
| 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 <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 |
| [I <sub>th</sub> ] conventional enclosed thermal current | 6 A  |
| [U <sub>i</sub> ] rated insulation voltage               | 400 V (degree of pollution: 3) conforming to EN/IEC 60947-1<br>300 V conforming to UL 508<br>300 V conforming to CSA C22.2 No 14   |
| [U <sub>imp</sub> ] 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   | 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<br>EN/IEC 60204-1<br>EN/IEC 60947-5-1<br>UL 508<br>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<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  |

### Offer Sustainability

|  |  |
|--|--|
| Green Premium product  | Green Premium product  |
| Compliant - since 1037 - Schneider Electric declaration of conformity  | Compliant - since 1037 - Schneider Electric declaration of conformity  |
| Reference not containing SVHC above the threshold  | Reference not containing SVHC above the threshold  |
| Need no specific recycling operations  | Need no specific recycling operations  |
| 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 <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              |

### Contractual warranty

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