



### 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 operator              | Steel roller plunger                                                 |
| Contacts type and composition | 1 NC + 1 NC + 1 NO                                                   |
| Contact operation             | Snap action                                                          |
| 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 force for tripping                   | 12 N                                                                                                                                                             |
| Positive opening minimum force               | 36 N                                                                                                                                                             |
| Maximum actuation speed                      | 1.64 ft/s (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<br>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                | 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                                 |
| [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                                       | 3.94 in (100 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 |
|-----------------|-----------|

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