

## XCSM3910L2

safety limit switch XCSM - metal - steel plunger - 2  
NC + 1 NO - cable 2 m



### Main

|                               |  |
|-------------------------------|--|
| Range of product              | Preventa Safety detection  |
| Product or component type     | Safety limit switch  |
| Component name                | XCSM   |
| Design                        | Miniature  |
| 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   |
| Contacts operation            | Snap action  |

### Complementary

|   |  |
|---|--|
| Electrical connection                               | Pre-cabled   |
| Cable length  | 2 m  |
| Cable composition                                   | 7 x 0.5 mm <sup>2</sup>  |
| Fixing mode   | By the body  |
| Number of poles                                     | 3  |
| Positive opening                                    | With NC contact  |
| Mechanical durability                               | 10000000 cycles  |
| Minimum force for tripping                          | 8.5 N  |
| Positive opening minimum force                      | 42.5 N   |
| Minimum actuation speed                             | 0.01 m/min   |
| Maximum actuation speed                             | 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 60947-5-1<br>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 60947-5-1<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 |
| [U <sub>i</sub> ] rated insulation voltage          | 400 V (degree of pollution: 3) conforming to IEC 60947-5-1<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 IEC 60664<br>4 kV conforming to IEC 60947-1   |
| Resistance across terminals                         | <= 25 MOhm conforming to IEC 60255-7 category 3  |
| Short circuit protection                            | 6 A cartridge fuse type gG (gl)  |
| Repeat accuracy                                     | 0.05 mm on the tripping points   |
| Body material                                       | Zamak  |
| Head material                                       | Zamak  |
| Depth   | 16 mm  |
| Height  | 60 mm  |
| Width   | 30 mm  |
| Product weight                                      | 0.165 kg   |

### Environment

|           |   |
|-----------|---|
| Standards | EN 1088<br>EN/IEC 60204-1<br>EN/IEC 60947-5-1 |
|-----------|---|

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|  |  |
|--|--|
| 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      | -25...70 °C  |
| Ambient air temperature for storage        | -40...70 °C  |
| Vibration resistance                       | 5 gn (f = 10...500 Hz) conforming to IEC 60068-2-6   |
| Shock resistance                           | 25 gn for 18 ms conforming to IEC 60068-2-27   |
| Class of protection against electric shock | Class I conforming to IEC 6140<br>Class I conforming to NF C 20-030  |
| IP degree of protection                    | IP68 conforming to IEC 60529<br>IP66 conforming to IEC 60529<br>IP67 conforming to IEC 60529   |
| IK degree of protection                    | IK06 conforming to EN 50102  |

### Offer Sustainability

|                                  |   |
|----------------------------------|---|
| Sustainable offer status         | Green Premium product   |
| RoHS                             | Compliant - since 1002 - Schneider Electric declaration of conformity |
| Product environmental profile    | Available   |
| Product end of life instructions | Available   |