



## Main

|                               |                               |
|-------------------------------|-------------------------------|
| Range of product              | Preventa Safety detection     |
| Product or component type     | Safety switch                 |
| Component name                | XCSMP                         |
| Design                        | Miniature                     |
| Material                      | Plastic                       |
| Head type                     | Key operated fixed head       |
| Contacts type and composition | 2 NC + 1 NO                   |
| Contact operation             | Slow-break, break before make |
| Electrical connection         | Pre-cabled                    |
| Number of poles               | 3                             |
| Locking options description   | Without locking of actuator   |

## Complementary

|                                              |                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Insulation                                   | Double insulated                                                                                                                                                                                                                                                                                                                        |
| Cable length                                 | 6.56 ft (2 m)                                                                                                                                                                                                                                                                                                                           |
| Cable composition                            | 6 x 0.5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                 |
| Mechanical durability                        | >= 1000000 cycles                                                                                                                                                                                                                                                                                                                       |
| Minimum actuation speed                      | 0.16 ft/s (0.05 m/s)                                                                                                                                                                                                                                                                                                                    |
| Maximum actuation speed                      | 4.92 ft/s (1.5 m/s)                                                                                                                                                                                                                                                                                                                     |
| [Ie] rated operational current               | 0.55 A at 125 V utilisation category DC-13, Q300 conforming to EN/IEC 60947-5-1<br>0.27 A at 250 V utilisation category DC-13, Q300 conforming to EN/IEC 60947-5-1<br>0.75 A at 240 V utilisation category AC-15, C300 conforming to EN/IEC 60947-5-1<br>1.5 A at 120 V utilisation category AC-15, C300 conforming to EN/IEC 60947-5-1 |
| [Ithe] conventional enclosed thermal current | 2.5 A                                                                                                                                                                                                                                                                                                                                   |
| [Ui] rated insulation voltage                | 500 V 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       | 6 kV conforming to EN/IEC 60947-5-1                                                                                                                                                                                                                                                                                                     |
| Short-circuit protection                     | 10 A cartridge fuse type gG (gl)                                                                                                                                                                                                                                                                                                        |
| Actuator forcible withdrawal rtc             | 8 N                                                                                                                                                                                                                                                                                                                                     |
| Actuator force for extraction                | >= 8 N                                                                                                                                                                                                                                                                                                                                  |
| Operating rate                               | 20 cyc/mn for maximum durability                                                                                                                                                                                                                                                                                                        |
| 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 EN/IEC 61508       |
| Safety reliability data                      | B10d = 5000000 (value given for a life time of 20 years limited by mechanical or contact wear)                                                                                                                                                                                                                                          |
| Body material                                | PA (polyamide)                                                                                                                                                                                                                                                                                                                          |
| Head material                                | PA (polyamide)                                                                                                                                                                                                                                                                                                                          |
| Depth                                        | 1.18 in (30 mm)                                                                                                                                                                                                                                                                                                                         |
| Height                                       | 3.43 in (87 mm)                                                                                                                                                                                                                                                                                                                         |
| Width                                        | 0.59 in (15 mm)                                                                                                                                                                                                                                                                                                                         |
| Product weight                               | 0.24 lb(US) (0.11 kg)                                                                                                                                                                                                                                                                                                                   |

## Environment

|           |                                                                         |
|-----------|-------------------------------------------------------------------------|
| standards | EN 1088/ISO 14119<br>EN/IEC 60204-1<br>EN/IEC 60947-5-1<br>EN/ISO 12100 |
|-----------|-------------------------------------------------------------------------|

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

UL 508  
CSA C22.2 No 14

|                                       |                                                      |
|---------------------------------------|------------------------------------------------------|
| product certifications                | CSA<br>CUL<br>UL                                     |
| protective treatment                  | TC                                                   |
| ambient air temperature for operation | -13...158 °F (-25...70 °C)                           |
| ambient air temperature for storage   | -13...176 °F (-25...80 °C)                           |
| vibration resistance                  | 6 gn (f = 10...55 Hz) conforming to IEC 60068-2-6    |
| shock resistance                      | 50 gn 11 ms conforming to IEC 60068-2-27             |
| electrical shock protection class     | Class II conforming to EN/IEC 61140                  |
| IP degree of protection               | IP67 conforming to EN/IEC 60529 and EN/IEC 60947-5-1 |

### Offer Sustainability

|                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Not Green Premium product                                                                                                  | Not Green Premium product                                                                                                  |
| Compliant - since 0642 - Schneider Electric declaration of conformity                                                      | Compliant - since 0642 - Schneider Electric declaration of conformity                                                      |
| 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 |
|-----------------|-----------|

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Schneider Electric:](#)

[XCSMP70L2](#)