

# XCSMP59L2

plastic safety switch XCSMP - 1 NC + 1 NO -  
slow break - pre-cabled 2 m



## 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 | 1 NC + 1 NO                   |
| Contact operation             | Slow-break, break before make |
| Electrical connection         | Pre-cabled                    |
| Number of poles               | 2                             |
| Locking options description   | Without locking of actuator   |

## Complementary

|                                              |                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Insulation                                   | Double insulated                                                                                                                                                                                                                                                                                                                  |
| Cable length                                 | 2 m                                                                                                                                                                                                                                                                                                                               |
| Cable composition                            | 4 x 0.5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                           |
| Positive opening                             | With NC contact                                                                                                                                                                                                                                                                                                                   |
| Mechanical durability                        | 1000000 cycles                                                                                                                                                                                                                                                                                                                    |
| Minimum actuation speed                      | 0.05 m/s                                                                                                                                                                                                                                                                                                                          |
| Maximum actuation speed                      | 1.5 m/s                                                                                                                                                                                                                                                                                                                           |
| [Ie] rated operational current               | 0.55 A at 125 V, DC-13, Q300 conforming to EN/IEC 60947-5-1<br>0.27 A at 250 V, DC-13, Q300 conforming to EN/IEC 60947-5-1<br>0.75 A at 240 V, AC-15, C300 conforming to EN/IEC 60947-5-1<br>1.5 A at 120 V, AC-15, C300 conforming to EN/IEC 60947-5-1                                                                           |
| [Ithe] conventional enclosed thermal current | 2.5 A                                                                                                                                                                                                                                                                                                                             |
| [Ui] rated insulation voltage                | 300 V conforming to UL 508<br>500 V conforming to EN/IEC 60947-1<br>300 V conforming to CSA C22.2 No 14                                                                                                                                                                                                                           |
| [Uimp] rated impulse withstand voltage       | EN/IEC 60947-5-1 6 kV                                                                                                                                                                                                                                                                                                             |
| Short-circuit protection                     | 10 A cartridge fuse type gG (gl)                                                                                                                                                                                                                                                                                                  |
| Actuator forcible withdrawal rtc             | 8 N                                                                                                                                                                                                                                                                                                                               |
| Minimum actuator force for extraction        | 8 N                                                                                                                                                                                                                                                                                                                               |
| Maximum 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                                        | 30 mm                                                                                                                                                                                                                                                                                                                             |
| Height                                       | 87 mm                                                                                                                                                                                                                                                                                                                             |
| Width                                        | 15 mm                                                                                                                                                                                                                                                                                                                             |
| Net weight                                   | 0.11 kg                                                                                                                                                                                                                                                                                                                           |

## Environment

|                                       |                                                                                                      |
|---------------------------------------|------------------------------------------------------------------------------------------------------|
| Standards                             | EN 1088/ISO 14119<br>EN/IEC 60204-1<br>CSA C22.2 No 14<br>UL 508<br>EN/IEC 60947-5-1<br>EN/ISO 12100 |
| Product certifications                | CSA<br>UL<br>CUL                                                                                     |
| Protective treatment                  | TC                                                                                                   |
| Ambient air temperature for operation | -25...70 °C                                                                                          |
| Ambient air temperature for storage   | -25...80 °C                                                                                          |
| Vibration resistance                  | 6 gn (f= 10...55 Hz) conforming to IEC 60068-2-6                                                     |
| Shock resistance                      | 50 gn for 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                                                 |

## Packing Units

|                  |          |
|------------------|----------|
| Package 1 Weight | 0.220 kg |
| Package 1 Height | 0.200 dm |
| Package 1 width  | 2.100 dm |
| Package 1 Length | 2.050 dm |

## Offer Sustainability

|                            |                                                                                                                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| REACH Regulation           |  <a href="#">REACH Declaration</a>                                                                 |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a> |
| Toxic heavy metal free     | Yes                                                                                                                                                                                  |
| Mercury free               | Yes                                                                                                                                                                                  |
| RoHS exemption information |  <a href="#">Yes</a>                                                                              |

## Contractual warranty

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