

# XCSC712

metal safety switch XCSC - 2 NC + 1 NO - slow break - 1 entry tapped M20



## Main

|                               |                                                                                          |
|-------------------------------|------------------------------------------------------------------------------------------|
| Range of product              | Preventa Safety detection                                                                |
| Product or component type     | Safety switch                                                                            |
| Component name                | XCSC                                                                                     |
| Design                        | Industrial                                                                               |
| Material                      | Metal                                                                                    |
| Head type                     | Key operated turret head                                                                 |
| Contacts type and composition | 2 NC + 1 NO                                                                              |
| Contact operation             | Slow-break, break before make                                                            |
| Cable entry                   | 1 entry tapped for M20 x 1.5                                                             |
| Cable outer diameter          | 7...13 mm                                                                                |
| Electrical connection         | Terminal, clamping capacity: 1 x 0.5...2 x 1.5 mm <sup>2</sup> with or without cable end |
| Number of poles               | 3                                                                                        |
| Locking options description   | With locking of actuator, unlocking by key operated lock                                 |
| Local signalling              | 1 LED (orange) for on opening of NC contacts                                             |
| Signalling circuit voltage    | 24/48 V                                                                                  |

## Complementary

|                                              |                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Positive opening                             | With NC contact                                                                                                                                                                                                                                                                                                                   |
| Signalling circuit type                      | AC/DC                                                                                                                                                                                                                                                                                                                             |
| Mechanical durability                        | 600000 cycles                                                                                                                                                                                                                                                                                                                     |
| Minimum actuation speed                      | 0.01 m/s                                                                                                                                                                                                                                                                                                                          |
| Maximum actuation speed                      | 0.5 m/s                                                                                                                                                                                                                                                                                                                           |
| [Ie] rated operational current               | 6 A at 120 V, AC-15, A300 conforming to EN/IEC 60947-5-1<br>3 A at 240 V, AC-15, A300 conforming to EN/IEC 60947-5-1<br>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                                                                                |
| [Ithe] conventional enclosed thermal current | 10 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             | 1500 N                                                                                                                                                                                                                                                                                                                            |
| Minimum actuator force for extraction        | 20 N                                                                                                                                                                                                                                                                                                                              |
| Maximum operating rate                       | 10 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                                | Zamak                                                                                                                                                                                                                                                                                                                             |
| Head material                                | Zamak                                                                                                                                                                                                                                                                                                                             |
| Depth                                        | 44 mm                                                                                                                                                                                                                                                                                                                             |
| Height                                       | 114 mm                                                                                                                                                                                                                                                                                                                            |

|            |         |
|------------|---------|
| Width      | 52 mm   |
| Net weight | 0.48 kg |

## Environment

|                                       |                                                                                                      |
|---------------------------------------|------------------------------------------------------------------------------------------------------|
| Standards                             | EN/ISO 12100<br>EN/IEC 60947-5-1<br>EN/IEC 60204-1<br>UL 508<br>CSA C22.2 No 14<br>EN 1088/ISO 14119 |
| Product certifications                | CSA<br>UL                                                                                            |
| 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                      | 10 gn for 11 ms conforming to IEC 60068-2-27                                                         |
| Electrical shock protection class     | Class I 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 | 0.001 kg |
| Package 1 Height | 1.150 dm |
| Package 1 width  | 0.650 dm |
| Package 1 Length | 0.460 dm |

## Offer Sustainability

|                          |                                                                                                                                   |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| REACH Regulation         |  <a href="#">REACH Declaration</a>             |
| EU RoHS Directive        | Not applicable, out of EU RoHS legal scope                                                                                        |
| Environmental Disclosure |  <a href="#">Product Environmental Profile</a> |

## Contractual warranty

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