

# XCSE8513

metal safety switch XCSE - 3 NC - slow break -  
2 entries tapped 1/2" NPT - 24 V



## Main

|                                                  |                                                                                          |
|--------------------------------------------------|------------------------------------------------------------------------------------------|
| Range of product                                 | Preventa Safety detection                                                                |
| Product or component type                        | Safety switch                                                                            |
| Component name                                   | XCSE                                                                                     |
| Design                                           | Rectangular                                                                              |
| Material                                         | Metal                                                                                    |
| Head type                                        | Key operated turret head                                                                 |
| Contacts type and composition                    | 3 NC                                                                                     |
| Contact operation                                | Slow-break, simultaneous                                                                 |
| Solenoid contacts type and composition           | 1 NC + 1 NO (slow-break, simultaneous)                                                   |
| Cable entry                                      | 2 entries tapped for 1/2" NPT                                                            |
| Electromagnet interlocking                       | Locking on energisation and unlocking on de-energisation of solenoid                     |
| [Us]&nbsp;solenoid&nbsp;rate&nbsp;supply voltage | 24 V AC, 50/60 Hz                                                                        |
| 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 interlocking, locking by solenoid                                                   |
| Local signalling                                 | 1 LED (green) for guard closed and locked                                                |
| Signalling circuit voltage                       | 24/48 V (voltage limits: 20...52 V)                                                      |

## Complementary

|                                              |                                                                                                                                                                                                                                                      |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Positive opening                             | With NC contact                                                                                                                                                                                                                                      |
| Supply voltage type                          | AC/DC                                                                                                                                                                                                                                                |
| Supply frequency                             | 50/60 Hz                                                                                                                                                                                                                                             |
| Load factor                                  | 1                                                                                                                                                                                                                                                    |
| Power consumption in VA                      | 10 VA inrush<br>10 VA sealed                                                                                                                                                                                                                         |
| Signalling circuit type                      | AC/DC                                                                                                                                                                                                                                                |
| Signalling circuit consumption               | 7 mA                                                                                                                                                                                                                                                 |
| Mechanical durability                        | 1000000 cycles                                                                                                                                                                                                                                       |
| Minimum actuation speed                      | 0.01 m/s                                                                                                                                                                                                                                             |
| Maximum actuation speed                      | 0.5 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>3 A at 120 V, AC-15, B300 conforming to EN/IEC 60947-5-1<br>1.5 A at 240 V, AC-15, B300 conforming to EN/IEC 60947-5-1 |
| [Ithe] conventional enclosed thermal current | 6 A                                                                                                                                                                                                                                                  |
| [Ui] rated insulation voltage                | 50 V conforming to EN/IEC 60947-1 for signalling circuit                                                                                                                                                                                             |
| [Uimp] rated impulse withstand voltage       | 6 kV EN/IEC 60947-5-1                                                                                                                                                                                                                                |
| Protection type                              | Overvoltage protection for signalling circuit                                                                                                                                                                                                        |
| Short-circuit protection                     | 10 A cartridge fuse type gG (gl)                                                                                                                                                                                                                     |
| Actuator forcible withdrawal rtc             | 2000 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                  | 146 mm                                                                                                                                                                                                                                                                                                                            |
| Width                   | 98 mm                                                                                                                                                                                                                                                                                                                             |
| Net weight              | 1.14 kg                                                                                                                                                                                                                                                                                                                           |

## Environment

|                                       |                                                                                                      |
|---------------------------------------|------------------------------------------------------------------------------------------------------|
| Standards                             | CSA C22.2 No 14<br>EN/IEC 60204-1<br>EN/IEC 60947-5-1<br>EN 1088/ISO 14119<br>EN/ISO 12100<br>UL 508 |
| Product certifications                | UL<br>CSA                                                                                            |
| Protective treatment                  | TC                                                                                                   |
| Ambient air temperature for operation | -25...40 °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

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Weight             | 1.285 kg |
| Package 1 Height             | 5.5 cm   |
| Package 1 width              | 11 cm    |
| Package 1 Length             | 15 cm    |

## Offer Sustainability

|                            |                                                                                                                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                |
| 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> |
| Mercury free               | Yes                                                                                                                                                                                  |
| RoHS exemption information |  <a href="#">Yes</a>                                                                              |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a>                                                    |
| Circularity Profile        |  <a href="#">End of Life Information</a>                                                          |

## Contractual warranty

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