

# XCSE73137

metal safety switch XCSE - 2NC+1NO - slow  
break- 2 entries tapped 1/2" NPT- 24V



## 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          | 2 NC + 1 NO                                                           |
| Contacts operation                     | Slow-break, break before make                                         |
| Solenoid contacts type and composition | 2 NC (slow-break, simultaneous)                                       |
| Cable entry                            | 2 entries tapped 1/2" NPT                                             |
| Electromagnet interlocking             | Locking on de-energisation and unlocking on energisation of solenoid  |
| [Us] Solenoid Rated Supply Voltage     | 24 V (voltage limits: 20...10 %)                                      |
| Electrical connection                  | Terminal, 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                       | 2 LED green or orange (guard open/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 (sealed)<br>10 VA (inrush)                                                                                                                                                                                                                                                                                                     |
| 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               | 1.5 A at 240 V utilisation category AC-15, B300 conforming to EN/IEC 60947-5-1<br>3 A at 120 V utilisation category AC-15, B300 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>0.55 A at 125 V utilisation category DC-13, Q300 conforming to EN/IEC 60947-5-1 |
| [Ithe] conventional enclosed thermal current | 6 A                                                                                                                                                                                                                                                                                                                                  |
| [Ui] rated insulation voltage                | 50 V for signalling circuit conforming to EN/IEC 60947-1                                                                                                                                                                                                                                                                             |
| [Uimp] rated impulse withstand voltage       | 6 kV conforming to EN/IEC 60947-5-1                                                                                                                                                                                                                                                                                                  |
| Protection type                              | Overvoltage protection for signalling circuit                                                                                                                                                                                                                                                                                        |
| Short circuit protection                     | 10 A cartridge fuse type gG (gl)                                                                                                                                                                                                                                                                                                     |
| Actutr forcible withdrawal rtc               | 2000 N                                                                                                                                                                                                                                                                                                                               |
| Actuator force for extraction                | >= 20 N                                                                                                                                                                                                                                                                                                                              |

|                         |                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating rate          | 10 cyc/mn for maximum durability                                                                                                                                                                                                                                                                                                  |
| Safety level            | Can reach SIL 3 with the appropriate monitoring system and correctly wired conforming to EN/IEC 61508<br>Can reach PL = e with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1<br>Can reach category 4 with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1 |
| 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                                                                                                                                                                                                                                                                                                                             |
| Product weight          | 1.14 kg                                                                                                                                                                                                                                                                                                                           |

## Environment

|                                            |                                                                                                      |
|--------------------------------------------|------------------------------------------------------------------------------------------------------|
| Standards                                  | CSA C22-2 No 14<br>EN 1088/ISO 14119<br>EN/IEC 60204-1<br>EN/IEC 60947-5-1<br>EN/ISO 12100<br>UL 508 |
| Product certifications                     | CSA<br>UL                                                                                            |
| 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                                                         |
| Class of protection against electric shock | Class I conforming to EN/IEC 60536                                                                   |
| IP degree of protection                    | IP67 conforming to EN/IEC 60529 and EN/IEC 60947-5-1                                                 |

## Offer Sustainability

|                                  |                                                                                                                                              |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status         | Not Green Premium product                                                                                                                    |
| RoHS                             | Will be Compliant on 4Q2012                                                                                                                  |
| REACH                            | Reference not containing SVHC above the threshold                                                                                            |
| Product environmental profile    | Available  <a href="#">Download Product Environmental</a> |
| Product end of life instructions | Available  <a href="#">Download End Of Life Manual</a>    |