



Main

| | |
|-------------------------------|--|
| Range of product | Telemecanique Safety switches XCS |
| Product or component type | Safety switch |
| Component name | XCSC |
| Design | Industrial |
| Material | Metal |
| Head type | Key operated turret head |
| Contacts type and composition | 1 NC + 2 NO |
| Contact operation | Slow-break, break before make |
| Cable entry | 1 entry tapped 1/2" NPT |
| Electrical connection | Terminal 1 x 0.5...2 x 1.5 mm ² 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 | 0.03 ft/s (0.01 m/s) |
| Maximum actuation speed | 1.64 ft/s (0.5 m/s) |
| [Ie] rated operational current | 6 A at 120 V, AC-15, A300 conforming to EN/IEC 60947-5-1 3 A at 240 V, AC-15, A300 conforming to EN/IEC 60947-5-1 0.55 A 125 V, DC-13, Q300 EN/IEC 60947-5-1 0.27 A 250 V, DC-13, Q300 EN/IEC 60947-5-1 |
| [Ithe] conventional enclosed thermal current | 10 A |
| [Ui] rated insulation voltage | 300 VUL 508 500 VEN/IEC 60947-1 300 VCSA C22.2 No 14 |
| [Uimp] rated impulse withstand voltage | 6 kV EN/IEC 60947-5-1 |
| Short-circuit protection | 10 A cartridge fuse type gG (gl) |

Disclaimer: 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

| | |
|---------------------------------------|---|
| 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 EN/ISO 13849-1 Can reach PL = e with the appropriate monitoring system and correctly wired EN/ISO 13849-1 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 | 1.73 in (44 mm) |
| Height | 4.49 in (114 mm) |
| Width | 2.05 in (52 mm) |
| Net weight | 1.06 lb(US) (0.48 kg) |

Environment

| | |
|---------------------------------------|--|
| Standards | EN/IEC 60204-1 EN/ISO 12100 EN 1088/ISO 14119 UL 508 EN/IEC 60947-5-1 CSA C22.2 No 14 |
| Product certifications | UL CSA |
| Protective treatment | TC |
| Ambient air temperature for operation | -13...158 °F (-25...70 °C) |
| Ambient air temperature for storage | -40...158 °F (-40...70 °C) |
| Vibration resistance | 5 gn 10...500 Hz)IEC 60068-2-6 |
| Shock resistance | 10 gn for 11 ms conforming to IEC 60068-2-27 |
| Electrical shock protection class | Class I EN/IEC 61140 |
| IP degree of protection | IP67 conforming to EN/IEC 60529 and EN/IEC 60947-5-1 |

Packing Units

| | |
|------------------|------------------------|
| Package 1 Weight | 1.07 lb(US) (0.485 kg) |
| Package 1 Height | 0.046 dm |
| Package 1 width | 0.065 dm |
| Package 1 Length | 0.117 dm |

Offer Sustainability

| | |
|--------------------------|---|
| RECh Regulation | RECh Declaration |
| EU RoHS Directive | Not applicable, out of EU RoHS legal scope |
| Environmental Disclosure | Product Environmental Profile |

Contractual warranty

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