# Product data sheet
## Characteristics

# XCSE8511
## metal safety switch XCSE - 3 NC - slow break - 2 entries tapped Pg 13 - 24 V




### Main

| | |
|---|---|
| Range of product | Telemecanique Safety switches XCS |
| 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 Pg 13.5 |
| Electromagnet interlocking | Locking on energisation and unlocking on de-energisation of solenoid |
| [Us] solenoid rated supply voltage | 24 V DC - 10...10 % |
| Cable outer diameter | 0.35...0.47 in (9...12 mm) |
| Electrical connection | Terminal 1 x 0.5...2 x 1.5 mm² with or without cable end |
| Number of poles | 3 |
| Locking options description | With interlocking, locking by solenoid |
| Local signalling | For guard closed and locked 1 LED (green) |
| Signalling circuit voltage | 24/48 V 20...52 V) |

### Complementary

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|---|---|
| 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 | 0.03 ft/s (0.01 m/s) |
| Maximum actuation speed | 1.64 ft/s (0.5 m/s) |
| [Ie] rated operational current | 0.55 A 125 V, DC-13, Q300 EN/IEC 60947-5-1<br>0.27 A 250 V, DC-13, Q300 EN/IEC 60947-5-1<br>3 A 120 V, AC-15, B300 EN/IEC 60947-5-1<br>1.5 A 240 V, AC-15, B300 EN/IEC 60947-5-1 |
| [Ithe] conventional enclosed thermal current | 6 A |
| [Ui] rated insulation voltage | 50 VEN/IEC 60947-1 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 gG (gl) |
| Actuator forcible withdrawal rtc | 2000 N |
| Minimum actuator force for extraction | 20 N |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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.
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|---|---|
| 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<br>Can reach PL = e with the appropriate monitoring system and correctly wired EN/ISO 13849-1<br>Can reach SIL 3 with the appropriate monitoring system and correctly wired 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 |
| Maximum Depth | 1.73 in (44 mm) |
| Height | 5.75 in (146 mm) |
| Width | 3.86 in (98 mm) |
| Net Weight | 2.51 lb(US) (1.14 kg) |

## Environment

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|---|---|
| Standards | EN/IEC 60947-5-1<br>EN/IEC 60204-1<br>CSA C22.2 No 14<br>UL 508<br>EN/ISO 12100<br>EN 1088/ISO 14119 |
| Product certifications | CSA<br>UL |
| Protective treatment | TC |
| Ambient air temperature for operation | -13…104 °F (-25…40 °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 |

## Ordering and shipping details

| | |
|---|---|
| Category | 22411 - LIMIT SWITCHES,IEC,XCKJ |
| Discount Schedule | T |
| GTIN | 03389110719932 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 1.5 lb(US) (0.68 kg) |
| Returnability | No |
| Country of origin | FR |

## Packing Units

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|---|---|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 2.20 in (5.6 cm) |
| Package 1 width | 4.41 in (11.2 cm) |
| Package 1 Length | 5.98 in (15.2 cm) |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 8 |
| Package 2 Weight | 23.31 lb(US) (10.575 kg) |
| Package 2 Height | 5.91 in (15 cm) |
| Package 2 width | 11.81 in (30 cm) |
| Package 2 Length | 15.75 in (40 cm) |

## Offer Sustainability

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|---|---|
| Sustainable offer status | Green Premium product |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |
| REACh Regulation | REACh Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |

## Contractual warranty

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| Warranty | 18 months |