# Product data sheet
## Characteristics

# XCSB711
## metal safety switch XCSB - 2 NC + 1 NO - slow break - 1 entry tapped Pg 13




### Main

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|---|---|
| Range of product | Preventa Safety detection |
| Product or component type | Safety switch |
| Component name | XCSB |
| 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 Pg 13.5 |
| Cable outer diameter | 9…12 mm |
| Electrical connection | Terminal, clamping capacity: 1 x 0.5...2 x 1.5 mm² with or without cable end |
| Number of poles | 3 |
| Locking options description | With locking of actuator, unlocking by push-button |
| Local signalling | 1 LED (orange) for on opening of NC contacts |
| Signalling circuit voltage | 24/48 V |

### Complementary

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|---|---|
| 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 |

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.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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| Width | 52 mm |
| Net weight | 0.475 kg |

## Environment

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| Standards | UL 508<br>EN/ISO 12100<br>EN/IEC 60947-5-1<br>CSA C22.2 No 14<br>EN/IEC 60204-1<br>EN 1088/ISO 14119 |
| Product certifications | UL<br>CSA |
| 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

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|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 541 g |
| Package 1 Height | 5 cm |
| Package 1 width | 6.8 cm |
| Package 1 Length | 12.2 cm |
| Unit Type of Package 2 | S01 |
| Number of Units in Package 2 | 10 |
| Package 2 Weight | 5.449 kg |
| Package 2 Height | 15 cm |
| Package 2 width | 15 cm |
| Package 2 Length | 40 cm |

## Offer Sustainability

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|---|---|
| Sustainable offer status | Green Premium product |
| 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 |

## Contractual warranty

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| Warranty | 18 months |