# Product data sheet
## Characteristics

# XCSA523
## Safety switch, Telemecanique Safety switches XCS, metal XCSA, 1 NC + 2 NO, slow break, 1 entry tapped 1/2" NPT

### Main

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|---|---|
| Range of Product | Telemecanique Safety switches XCS |
| Product or Component Type | Safety switch |
| Component name | XCSA |
| 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 mm² with or without cable end |
| Number of poles | 3 |
| Locking options description | Without locking of actuator |
| Local signalling | For on opening of NC contacts 1 LED (orange) |
| Signalling circuit voltage | 110/240 V |

### Complementary

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|---|---|
| Positive opening | With NC contact |
| Signalling circuit type | AC |
| 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 | 6 A 120 V, AC-15, A300 EN/IEC 60947-5-1<br>3 A 240 V, AC-15, A300 EN/IEC 60947-5-1<br>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 |
| [Ithe] conventional enclosed thermal current | 10 A |
| [Ui] rated insulation voltage | 300 VUL 508<br>500 VEN/IEC 60947-1<br>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 gG (gl) |
| 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<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 |
| Depth | 1.73 in (44 mm) |
| Height | 4.49 in (114 mm) |

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|---|---|
| Width | 1.57 in (40 mm) |
| Net Weight | 0.97 lb(US) (0.44 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…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 11 ms 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

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|---|---|
| Category | 22411 - LIMIT SWITCHES,IEC,XCKJ |
| Discount Schedule | T |
| GTIN | 3389110719048 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.7 lb(US) (0.32 kg) |
| Returnability | No |
| Country of origin | FR |

## Packing Units

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|---|---|
| Package 1 Height | 0.041 dm |
| Package 1 width | 0.068 dm |
| Package 1 Length | 0.126 dm |

## 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 |

## Contractual warranty

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| Warranty | 18 months |