



Main

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| Range of product | Telemecanique Safety switches XCS |
| Product or component type | Safety limit switch |
| Component name | XCSD |
| Design | Compact |
| Material | Metal |
| Head type | Rotary head |
| Protection technology | Plastic protective cover, secured by 5-lobe socket head safety screw |
| Type of operator | Thermoplastic roller lever |
| Contacts type and composition | 1 NC + 1 NC + 1 NO |
| Contact operation | Slow-break, break before make |
| Cable entry | 1 entry tapped for Pg 13.5 |

Complementary

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| Electrical connection | Terminal |
| Clamping connection capacity | 1 x 0.34...2 x 0.75 mm ² |
| Switch actuation | By 30° cam |
| Number of poles | 3 |
| Positive opening | With NC contact |
| Mechanical durability | 10000000 cycles |
| Minimum torque for tripping | 0.89 lbf.in (0.1 N.m) |
| Positive opening minimum torque | 2.21 lbf.in (0.25 N.m) |
| Maximum actuation speed | 4.92 ft/s (1.5 m/s) |
| Contact code designation | B300, AC-15 (U _e = 240 V, I _e = 1.5 A)EN/IEC 60947-5-1 appendix A R300, DC-13 (U _e = 250 V, I _e = 0.1 A)EN/IEC 60947-5-1 appendix A |
| [I _{th}] conventional enclosed thermal current | 6 A |
| [U _i] rated insulation voltage | 300 VUL 508 |

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

400 V 3)EN/IEC 60947-1
300 VCSA C22.2 No 14

| | |
|--|---|
| [Uimp] rated impulse withstand voltage | 4 kV EN/IEC 60947-1 4 kV IEC 60664 |
| Maximum resistance across terminals | 25 MOhm IEC 60255-7 category 3 |
| Short-circuit protection | 6 A cartridge fuse gG (gl) |
| Repeat accuracy | 0.1 mm on tripping points, 1 million operating cycles for head with end plunger |
| Body material | Zamak |
| Head material | Zamak |
| Enclosure material | Plastic |
| Depth | 1.38 in (35 mm) |
| Height | 4.80 in (122 mm) |
| Width | 1.34 in (34 mm) |
| Net weight | 0.56 lb(US) (0.255 kg) |

Environment

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| Standards | EN 1088/ISO 14119 EN/IEC 60947-5-1 CSA C22.2 No 14 EN/IEC 60204-1 UL 508 |
| Product certifications | UL CSA |
| 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 IEC 61508 |
| Safety reliability data | B10d = 50000000 value given for a life time of 20 years limited by mechanical or contact wear |
| 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 | 25 gn 10...500 Hz)IEC 60068-2-6 |
| Shock resistance | 50 gn 11 ms IEC 60068-2-27 |
| Electrical shock protection class | Class I conforming to NF C 20-030 Class I EN/IEC 61140 |
| IP degree of protection | IP66 IEC 60529 IP67 IEC 60529 |
| IK degree of protection | IK06 EN 50102 |

Packing Units

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|------------------------------|-------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 9.31 oz (264 g) |
| Package 1 Height | 4.13 in (10.5 cm) |
| Package 1 width | 1.30 in (3.3 cm) |
| Package 1 Length | 1.69 in (4.3 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 |
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