



Main

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

Complementary

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| Electrical connection | Pre-cabled |
| Cable length | 6.56 ft (2 m) |
| Cable composition | 7 x 0.5 mm ² |
| Switch actuation | By 30° cam |
| Fixing mode | By the body |
| Number of poles | 3 |
| Positive opening | With NC contact |
| Mechanical durability | 10000000 cycles |
| Minimum torque for tripping | 4.43 lbf.in (0.5 N.m) |
| Positive opening minimum torque | 0.89 lbf.in (0.1 N.m) |
| Minimum actuation speed | 6 m/min |
| Maximum actuation speed | 4.92 ft/s (1.5 m/s) |
| Contact code designation | B300, AC-15 (Ue = 240 V, Ie = 1.5 A)EN 60947-5-1 B300, AC-15 (Ue = 240 V, Ie = 1.5 A)EN/IEC 60947-5-1 appendix A |

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

R300, DC-13 (Ue = 250 V, Ie = 0.1 A)EN 60947-5-1
R300, DC-13 (Ue = 250 V, Ie = 0.1 A)EN/IEC 60947-5-1 appendix A

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| [Ui] rated insulation voltage | 300 VUL 508 400 V 3)IEC 60947-5-1 300 VCSA C22.2 No 14 |
| [Uimp] rated impulse withstand voltage | 4 kV IEC 60664 4 kV IEC 60947-1 |
| Maximum resistance across terminals | 25 MOhm IEC 60255-7 category 3 |
| Short-circuit protection | 6 A cartridge fuse gG (gl) |
| Repeat accuracy | 0.05 mm on the tripping points |
| Body material | Zamak |
| Head material | Zamak |
| Depth | 1.34 in (34 mm) |
| Height | 3.70 in (94 mm) |
| Width | 1.18 in (30 mm) |
| Net weight | 0.45 lb(US) (0.205 kg) |

Environment

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| Standards | EN/IEC 60947-5-1 EN/IEC 60204-1 CSA C22.2 No 14 UL 508 EN 1088 |
| Product certifications | CSA UL |
| 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 | 25 gn for 18 ms conforming to 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 IP68 IEC 60529 |
| IK degree of protection | IK06 EN 50102 |

Packing Units

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|------------------|------------------------|
| Package 1 Weight | 0.71 lb(US) (0.323 kg) |
| Package 1 Height | 0.350 dm |
| Package 1 width | 1.350 dm |
| Package 1 Length | 1.250 dm |

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 |
| Circularity Profile | End of Life Information |

Contractual warranty

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| Warranty | 18 months |
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