

XCSM3702L1

Safety limit switch, Telemecanique Safety switches XCS, XCSM, metal, roller plunger, 2 NC + 1 NO, cable 1 m



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 | Plunger head |
| Protection technology | Plastic protective cover, secured by 5-lobe socket head safety screw |
| Type of approach | Lateral approach |
| Type of operator | Roller plunger |
| 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 | 3.28 ft (1 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 force for tripping | 7 N |
| Positive opening minimum force | 35 N |
| Minimum actuation speed | 6 m/min |
| Maximum actuation speed | 1.64 ft/s (0.5 m/s) |
| Contact code designation | B300, AC-15 (U _e = 240 V, I _e = 1.5 A)EN 60947-5-1 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 60947-5-1 R300, DC-13 (U _e = 250 V, I _e = 0.1 A)EN/IEC 60947-5-1 appendix A |
| [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 | 0.63 in (16 mm) |
| Height | 2.76 in (70 mm) |
| Width | 1.18 in (30 mm) |
| Net Weight | 0.37 lb(US) (0.17 kg) |

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Environment

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| Standards | EN/IEC 60204-1 CSA C22.2 No 14 EN/IEC 60947-5-1 EN 1088 UL 508 |
| 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 18 ms IEC 60068-2-27 |
| Electrical shock protection class | Class I NF C 20-030 Class I EN/IEC 61140 |
| IP degree of protection | IP66 conforming to IEC 60529 IP67 conforming to IEC 60529 IP68 conforming to IEC 60529 |
| IK degree of protection | IK06 EN 50102 |

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 |