

XCSM4102L2

safety limit switch XCSM - metal - roller plunger - 2
NC + 2 NO - cable 2 m



Main

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| Range of product | Preventa Safety detection |
| 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 + 1 NO |
| Contact operation | Snap action |

Complementary

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| Electrical connection | Pre-cabled |
| Cable length | 2 m |
| Cable composition | 9 x 0.34 mm ² |
| Switch actuation | By 30° cam |
| Fixing mode | By the body |
| Number of poles | 4 |
| Positive opening | With NC contact |
| Mechanical durability | 10000000 cycles |
| Minimum force for tripping | 7 N |
| Positive opening minimum force | 35 N |
| Minimum actuation speed | 0.01 m/min |
| Maximum actuation speed | 0.5 m/s |
| Contact code designation | B300, AC-15 (U _e = 240 V, I _e = 1.5 A) conforming to EN 60947-5-1 B300, AC-15 (U _e = 240 V, I _e = 1.5 A) conforming to EN/IEC 60947-5-1 appendix A R300, DC-13 (U _e = 250 V, I _e = 0.1 A) conforming to EN 60947-5-1 R300, DC-13 (U _e = 250 V, I _e = 0.1 A) conforming to EN/IEC 60947-5-1 appendix A |
| [Ui] rated insulation voltage | 400 V (degree of pollution: 3) conforming to IEC 60947-5-1 300 V conforming to UL 508 300 V conforming to CSA C22.2 No 14 |
| [Uimp] rated impulse withstand voltage | 4 kV conforming to IEC 60664 4 kV conforming to IEC 60947-1 |
| Resistance across terminals | <= 25 MOhm conforming to IEC 60255-7 category 3 |
| Short-circuit protection | 6 A cartridge fuse type gG (gl) |
| Repeat accuracy | 0.05 mm on the tripping points |
| Body material | Zamak |
| Head material | Zamak |
| Depth | 16 mm |
| Height | 70 mm |
| Width | 30 mm |
| Product weight | 0.17 kg |

Environment

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| standards | EN 1088 |
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EN/IEC 60204-1
EN/IEC 60947-5-1
UL 508
CSA C22.2 No 14

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| product certifications | CSA UL |
| safety level | Can reach category 4 with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1 Can reach PL = e with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1 Can reach SIL 3 with the appropriate monitoring system and correctly wired conforming to 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 | -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 | 25 gn for 18 ms conforming to IEC 60068-2-27 |
| electrical shock protection class | Class I conforming to EN/IEC 61140 Class I conforming to NF C 20-030 |
| IP degree of protection | IP68 conforming to IEC 60529 IP66 conforming to IEC 60529 IP67 conforming to IEC 60529 |
| IK degree of protection | IK06 conforming to EN 50102 |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 1002 - Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold |
| Product environmental profile | Available |
| Product end of life instructions | Need no specific recycling operations |