

Product Datasheet

Characteristic

XCSB503

metal safety switch XCSB - 1 NC + 2 NO
- slow break - 1 entry tapped 1/2" NPT



Main

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| range of product | Preventa Safety detection |
| product or component type | safety switch |
| component name | XCSB |
| 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 mm ² with or without cable end |
| number of poles | 3 |
| locking options description | with locking of actuator, unlocking by push-button |
| local signalling | without |

Complementary

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| positive opening | with NC contact |
| mechanical durability | 600000 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 at 120 V utilisation category AC-15, A300 conforming to EN/IEC 60947-5-1 3 A at 240 V utilisation category AC-15, A300 conforming to EN/IEC 60947-5-1 0.55 A at 125 V utilisation category DC-13, Q300 conforming to EN/IEC 60947-5-1 0.27 A at 250 V utilisation category DC-13, Q300 conforming to EN/IEC 60947-5-1 |
| [Ithe] conventional enclosed thermal current | 10 A |
| [Ui] rated insulation voltage | 300 V conforming to UL 508 500 V conforming to EN/IEC 60947-1 300 V conforming to CSA C22.2 No 14 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to EN/IEC 60947-5-1 |
| short-circuit protection | 10 A cartridge fuse type gG (gl) |

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| actuator forcible withdrawal rtc | 1500 N |
| actuator force for extraction | >= 20 N |
| operating rate | 10 cyc/mn for maximum durability |
| 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 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) |
| width | 2.05 in (52 mm) |
| product weight | 1.05 lb(US) (0.475 kg) |

Environment

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| standards | EN 1088/ISO 14119 EN/IEC 60204-1 EN/IEC 60947-5-1 EN/ISO 12100 UL 508 CSA C22.2 No 14 |
| product certifications | CSA 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 (f = 10...500 Hz) conforming to IEC 60068-2-6 |
| shock resistance | 10 gn 11 ms conforming to IEC 60068-2-27 |
| electrical shock protection class | class I conforming to EN/IEC 61140 |
| IP degree of protection | IP67 conforming to EN/IEC 60529 and EN/IEC 60947-5-1 |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 1014 - Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold |
| Product end of life instructions | Need no specific recycling operations |