

XCSB502

metal guard switch XCSB - 1 NC+2 NO - slow break - 1 entry tapped M20 x 1.5



Main

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| Range of product | Preventa Safety detection |
| Product or component type | Guard switch |
| Component name | XCSB |
| Material | Metal |
| Head type | Key operated turret head |
| Cable entry | 1 entry tapped M20 x 1.5 |
| Cable outer diameter | 7...13 mm |
| Electrical connection | Terminal |
| Number of poles | 3 |
| Contacts type and composition | 1 NC + 1 NO + 1 NO on output |
| Contacts operation | Slow break, (2 NO staggered) |
| Locking options description | With locking of actuator, unlocking by pushbutton |
| Local signalling | Without |

Complementary

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| Clamping connection capacity | 1 x 0.5...2 x 1.5 mm ² with or without cable end |
| Positive opening | With NC contact |
| Mechanical durability | 600000 cycles |
| Minimum actuation speed | 0.01 m/s |
| Maximum actuation speed | 0.5 m/s |
| Contact code designation | A300 , AC-15 (Ue = 240 V , Ie = 3 A) conforming to EN/IEC 60947-5-1 A300 , AC-15 (Ue = 120 V , Ie = 6 A) conforming to EN/IEC 60947-5-1 Q300 , DC-13 (Ue = 250 V , Ie = 0.27 A) conforming to EN/IEC 60947-5-1 Q300 , DC-13 (Ue = 125 V , Ie = 0.55 A) conforming to EN/IEC 60947-5-1 |
| [Ithe] conventional enclosed thermal current | 10 A |
| [Ui] rated insulation voltage | 300 V conforming to UL 508 300 V conforming to CSA C22-2 No 14 500 V conforming to EN/IEC 60947-1 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to EN/IEC 60947-5-1 |
| Resistance across terminals | ≤ 30 mOhm conforming to EN/IEC 60947-5-4 |
| Short circuit protection | 10 A cartridge fuse type gG (gl) |
| Actutr forcible withdrawal rtc | 1500 N |
| Actuator force for extraction | ≥ 20 N |
| Operating rate | 10 cyc/mn for maximum durability |
| Safety level | 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 Can reach category 4 with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1 |
| Safety reliability data | B10d = 5000000 (value given for a life time of 10 years limited by mechanical or contact wear) |
| Body material | Zamak |
| Head material | Zamak |
| Product weight | 0.475 kg |

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Environment

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| Standards | CSA C22-2 No 14 EN/IEC 60204-1 EN/IEC 60947-5-1 EN/ISO 12100 EN 1088/ISO 14119 UL 508 |
| Product certifications | CSA UL |
| 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 | 10 gn for 11 ms conforming to IEC 60068-2-27 |
| Class of protection against electric shock | Class I conforming to EN/IEC 60536 |
| IP degree of protection | IP67 conforming to EN/IEC 60529 and EN/IEC 60947-5-1 |
| RoHS EUR conformity date | 4Q2009 |
| RoHS EUR status | Will be compliant |