



Main

| | |
|-------------------------------|---|
| Range of product | Preventa ATEX D |
| Product or component type | Safety switch |
| Device short name | XCSB |
| Material | Metal |
| Head type | Key operated turret head |
| Cable entry number | 1 tapped entry for M20 x 1.5 cable gland (included) 7...13 mm |
| Electrical connection | Terminal |
| Clamping connection capacity | 1 x 0.5...2 x 1.5 mm ² with or without cable end |
| Number of poles | 3 |
| Contacts type and composition | 2 NC + 1 NO |
| Contact operation | Slow-break, break before make |
| Positive opening | With NC contact |
| Locking options description | With locking of actuator, unlocking by push-button |

Complementary

| | |
|--|--|
| Local signalling | Without |
| Mechanical durability | 600000 cycles |
| Minimum actuation speed | 0.01 m/s |
| Maximum actuation speed | 0.5 m/s |
| Contact code designation | A300, AC-15 (U _e = 120 V, I _e = 6 A) conforming to EN/IEC 60947-5-1 A300, AC-15 (U _e = 240 V, I _e = 3 A) conforming to EN/IEC 60947-5-1 Q300, DC-13 (U _e = 125 V, I _e = 0.55 A) conforming to EN/IEC 60947-5-1 Q300, DC-13 (U _e = 250 V, I _e = 0.27 A) conforming to EN/IEC 60947-5-1 |
| [I _{th}] conventional enclosed thermal current | 10 A |
| [U _i] 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 |
| [U _{imp}] rated impulse withstand voltage | EN/IEC 60947-5-1 6 kV |

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

| | |
|---------------------------------------|----------------------------------|
| Short-circuit protection | 10 A cartridge fuse type gG (gl) |
| Actuator forcible withdrawal rtc | 1500 N |
| Minimum actuator force for extraction | 20 N |
| Maximum operating rate | 10 cyc/mn for maximum durability |
| Body material | Zamak |
| Head material | Zamak |
| CAD overall width | 52 mm |
| CAD overall height | 114 mm |
| CAD overall depth | 44 mm |
| Product weight | 0.475 kg |

Environment

| | |
|---------------------------------------|--|
| 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 = 5000000 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 | 10 gn for 11 ms conforming to IEC 60068-2-27 |
| Electrical shock protection class | Class I conforming to EN/IEC 60536 |
| IP degree of protection | IP67 conforming to EN/IEC 60529 and EN/IEC 60947-5-1 |
| Marking | II2 D-Ex tb IIIC T85°C Db IP67 |
| Dust zone | Zone 21 - 22 |
| Product certifications | IEC-Ex INE 17.0020X INERIS 04ATEX0014X |
| Standards | EN/IEC 60079-31 EN/IEC 60079-0 |
| Directives | 2014/34/EU - ATEX directive |

Offer Sustainability

| | |
|----------------------------|---|
| Sustainable offer status | Green Premium product |
| 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 | No need of specific recycling operations |

Contractual warranty

| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|