# *Product datasheet*
*Characteristics*

# XCSB702EX
metal key operated switch XCSA - 2NC+1NO - slow BBM - M20 - ATEX



## 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 (M20 x 1.5) for cable gland (included), cable outer diameter: 7...13 mm |
| Electrical connection | Terminal |
| Clamping connection capacity | 1 x 0.5...2 x 1.5 mm² with or without cable end |
| Number of poles | 3 |
| Contacts type and composition | 2 NC + 1 NO |
| Contacts operation | Slow-break, break before make |
| Positive opening | With NC contact |
| Locking options description | With locking of actuator, unlocking by pushbutton |

## 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 (120 V, Ie = 6 A) conforming to EN/IEC 60947-5-1<br>A300, AC-15 (240 V, Ie = 3 A) conforming to EN/IEC 60947-5-1<br>Q300, DC-13 (125 V, Ie = 0.55 A) conforming to EN/IEC 60947-5-1<br>Q300, DC-13 (250 V, Ie = 0.27 A) conforming to EN/IEC 60947-5-1 |
| [Ithe] conventional enclosed thermal current | 10 A |
| [Ui] rated insulation voltage | 500 V conforming to EN/IEC 60947-1<br>300 V conforming to UL 508<br>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, gG (gl) |
| Actutr forcible withdrawal rtc | 1500 N |
| Actuator force for extraction | >= 20 N |
| 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 conforming to EN/ISO 13849-1 with the appropriate monitoring system and correctly wired<br>Can reach PL = e conforming to EN/ISO 13849-1 with the appropriate monitoring system and correctly wired<br>Can reach SIL 3 conforming to IEC 61508 with the appropriate monitoring system and correctly wired |
| Safety reliability data | B10d = 5000000 value given for a life time of 20 years limited by mechanical or contact wear |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

| | |
|---|---|
| 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 |
| Marking | II2 D-Ex tb IIIC T85°C Db IP67 |
| Dust zone | Zone 21 - 22 |
| Product certifications | CSA<br>INERIS 04ATEX0014X<br>UL |
| Standards | Directive ATEX 94/9/EC<br>EN/IEC 60079-0<br>EN/IEC 60079-31 |

## Offer Sustainability

| | |
|---|---|
| Sustainable offer status | Green Premium product |
| RoHS | Compliant - since 1103 - Schneider Electric declaration of conformity |
| Product environmental profile | Available |
| Product end of life instructions | Need no specific recycling operations |