# Product data sheet
## Characteristics

# XCSA702
## metal safety switch XCSA - 2 NC + 1 NO - slow break - 1 entry tapped M20




### Main

| | |
|---|---|
| Commercial Status | Commercialised |
| Range of product | Preventa Safety detection |
| Product or component type | Safety switch |
| Component name | XCSA |
| Design | Industrial |
| Material | Metal |
| Head type | Key operated turret head |
| Contacts type and composition | 2 NC + 1 NO |
| Contacts operation | Slow-break, break before make |
| Cable entry | 1 entry tapped M20 x 1.5 |
| Cable outer diameter | 7...13 mm |
| Electrical connection | Terminal, 1 x 0.5...2 x 1.5 mm² with or without cable end |
| Number of poles | 3 |
| Locking options description | Without locking of actuator |
| Local signalling | Without |

### Complementary

| | |
|---|---|
| Positive opening | With NC contact |
| Mechanical durability | >= 1000000 cycles |
| Minimum actuation speed | 0.01 m/s |
| Maximum actuation speed | 0.5 m/s |
| [Ie] rated operational current | 0.27 A at 250 V utilisation category DC-13, Q300 conforming to EN/IEC 60947-5-1<br>0.55 A at 125 V utilisation category DC-13, Q300 conforming to EN/IEC 60947-5-1<br>3 A at 240 V utilisation category AC-15, A300 conforming to EN/IEC 60947-5-1<br>6 A at 120 V utilisation category AC-15, A300 conforming to EN/IEC 60947-5-1 |
| [Ithe] conventional enclosed thermal current | 10 A |
| [Ui] rated insulation voltage | 300 V conforming to CSA C22.2 No 14<br>500 V conforming to EN/IEC 60947-1<br>300 V conforming to UL 508 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to EN/IEC 60947-5-1 |
| Short circuit protection | 10 A cartridge fuse type gG (gl) |
| Actuator force for extraction | >= 20 N |
| Operating rate | 10 cyc/mn for maximum durability |
| Safety level | Can reach SIL 3 with the appropriate monitoring system and correctly wired conforming to EN/IEC 61508<br>Can reach PL = e with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1<br>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 20 years limited by mechanical or contact wear) |
| Body material | Zamak |
| Head material | Zamak |
| Depth | 44 mm |

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.

| | |
|---|---|
| Height | 114 mm |
| Width | 40 mm |
| Product weight | 0.44 kg |

## Environment

| | |
|---|---|
| Standards | EN 1088/ISO 14119<br>EN/IEC 60204-1<br>EN/IEC 60947-5-1<br>EN/ISO 12100<br>UL 508<br>CSA C22.2 No 14 |
| Product certifications | CSA<br>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 |

## Offer Sustainability

| | |
|---|---|
| Sustainable offer status | Green Premium product |
| RoHS | Compliant - since 0941 - Schneider Electric declaration of conformity |
| REACh | Reference not containing SVHC above the threshold |
| Product environmental profile | Available Download Product Environmental |
| Product end of life instructions | Need no specific recycling operations |