

# Product data sheet

Specifications



## Safety switch, Telemecanique Safety switches XCS, metal XCSA, 3 NC, slow break, 1 entry tapped M20

XCSA802

### Main

|                               |  |
|-------------------------------|--|
| Range Of Product              | Telemecanique Safety switches XCS  |
| Product Or Component Type     | Safety switch  |
| Component Name                | XCSA   |
| Design                        | Industrial   |
| Material                      | Metal  |
| Head Type                     | Key operated turret head   |
| Contacts Type And Composition | 3 NC   |
| Contact Operation             | Slow-break, simultaneous   |
| Cable Entry                   | 1 entry tapped for M20 x 1.5   |
| Cable Outer Diameter          | 7...13 mm  |
| Electrical Connection         | Terminal, clamping capacity: 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               | 6 A at 120 V, AC-15, A300 conforming to IEC 60947-5-1<br>3 A at 240 V, AC-15, A300 conforming to IEC 60947-5-1<br>0.55 A at 125 V, DC-13, Q300 conforming to IEC 60947-5-1<br>0.27 A at 250 V, DC-13, Q300 conforming to IEC 60947-5-1 |
| [Ithe] Conventional Enclosed Thermal Current | 10 A   |
| [UI] Rated Insulation Voltage                | 300 V conforming to UL 508<br>500 V conforming to IEC 60947-1<br>300 V conforming to CSA C22.2 No 14   |
| [Uimp] Rated Impulse Withstand Voltage       | 6 kV conforming to IEC 60947-5-1   |
| Short-Circuit Protection                     | 10 A cartridge fuse type gG (gl)   |
| Minimum Actuator Force For Extraction        | 20 N   |
| Maximum Operating Rate                       | 10 cyc/mn for maximum durability   |

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

|                         |  |
|-------------------------|--|
| Safety Level            | Can reach category 4 with the appropriate monitoring system and correctly wired conforming to ISO 13849-1<br>Can reach PL = e with the appropriate monitoring system and correctly wired conforming to ISO 13849-1<br>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   |
| Body Material           | Zamak  |
| Head Material           | Zamak  |
| Depth                   | 44 mm  |
| Height                  | 114 mm   |
| Width                   | 40 mm  |
| Net Weight              | 0.44 kg  |

## Environment

|                                       |   |
|---------------------------------------|---|
| Standards                             | EN 1088/ISO 14119<br>UL 508<br>IEC 60204-1<br>CSA C22.2 No 14<br>ISO 12100<br>IEC 60947-5-1 |
| 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  |
| Electrical Shock Protection Class     | Class I conforming to IEC 61140   |
| Ip Degree Of Protection               | IP67 conforming to EN/IEC 60529 and EN/IEC 60947-5-1  |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type Of Package 1       | PCE       |
| Number Of Units In Package 1 | 1         |
| Package 1 Height             | 4.300 cm  |
| Package 1 Width              | 13.000 cm |
| Package 1 Length             | 6.800 cm  |
| Package 1 Weight             | 500.000 g |
| Unit Type Of Package 2       | S02       |
| Number Of Units In Package 2 | 20        |
| Package 2 Height             | 15.000 cm |
| Package 2 Width              | 30.000 cm |
| Package 2 Length             | 40.000 cm |
| Package 2 Weight             | 10.353 kg |

## Contractual warranty

Warranty

18 months

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



RoHS/REACH

## Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

## Certifications & Standards

|                           |  |
|---------------------------|--|
| Reach Regulation          | <a href="#">REACH Declaration</a>  |
| Eu Rohs Directive         | Pro-active compliance (Product out of EU RoHS legal scope)   |
| Circularity Profile       | No need of specific recycling operations   |
| California Proposition 65 | WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Diisodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |