

# XCSC502EX

Safety switch, Telemecanique Safety switches XCS, metal key operated XCSA, NC + 2 NO slow break, ATEX/IECEX



## Main

|                               |                                                                               |
|-------------------------------|-------------------------------------------------------------------------------|
| Range of Product              | Telemecanique Safety switches XCS                                             |
| Product or Component Type     | Safety switch                                                                 |
| Device short name             | XCSC                                                                          |
| Material                      | Metal                                                                         |
| Head type                     | Key operated turret head                                                      |
| Cable entry number            | 1 tapped entry M20 x 1.5 cable gland (included)<br>0.28...0.51 in (7...13 mm) |
| Electrical Connection         | Terminal                                                                      |
| Clamping connection capacity  | 1 x 0.5...2 x 1.5 mm <sup>2</sup> with or without cable end                   |
| Number of poles               | 3                                                                             |
| Contacts type and composition | 1 NC + 2 NO                                                                   |
| Contact operation             | Slow-break, break before make                                                 |
| Positive opening              | With NC contact                                                               |
| Locking options description   | With locking of actuator, unlocking by key operated lock                      |

## Complementary

|                                              |                                                                                                                                                                                                                            |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Local signalling                             | without                                                                                                                                                                                                                    |
| Mechanical durability                        | 600000 cycles                                                                                                                                                                                                              |
| Minimum actuation speed                      | 0.03 ft/s (0.01 m/s)                                                                                                                                                                                                       |
| Maximum actuation speed                      | 1.64 ft/s (0.5 m/s)                                                                                                                                                                                                        |
| Contact code designation                     | A300, AC-15 (Ue = 120 V, Ie = 6 A)EN/IEC 60947-5-1<br>A300, AC-15 (Ue = 240 V, Ie = 3 A)EN/IEC 60947-5-1<br>Q300, DC-13 (Ue = 125 V, Ie = 0.55 A)EN/IEC 60947-5-1<br>Q300, DC-13 (Ue = 250 V, Ie = 0.27 A)EN/IEC 60947-5-1 |
| [Ithe] conventional enclosed thermal current | 10 A                                                                                                                                                                                                                       |
| [Ui] rated insulation voltage                | 300 VUL 508<br>500 VEN/IEC 60947-1<br>300 VCSA C22.2 No 14                                                                                                                                                                 |
| [Uimp] rated impulse withstand voltage       | 6 kV EN/IEC 60947-5-1                                                                                                                                                                                                      |
| Short-circuit protection                     | 10 A cartridge fuse 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                            | 2.05 in (52 mm)                                                                                                                                                                                                            |
| CAD overall height                           | 4.49 in (114 mm)                                                                                                                                                                                                           |
| CAD overall depth                            | 1.73 in (44 mm)                                                                                                                                                                                                            |
| Net Weight                                   | 1.06 lb(US) (0.48 kg)                                                                                                                                                                                                      |

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.

## Environment

|                                       |                                                                                                                                                                                                                                                                                      |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Safety level                          | Can reach category 4 with the appropriate monitoring system and correctly wired EN/ISO 13849-1<br>Can reach PL = e with the appropriate monitoring system and correctly wired EN/ISO 13849-1<br>Can reach SIL 3 with the appropriate monitoring system and correctly wired 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 | -13...158 °F (-25...70 °C)                                                                                                                                                                                                                                                           |
| Ambient Air Temperature for Storage   | -40...158 °F (-40...70 °C)                                                                                                                                                                                                                                                           |
| Vibration resistance                  | 5 gn 10...500 Hz)IEC 60068-2-6                                                                                                                                                                                                                                                       |
| Shock resistance                      | 10 gn 11 ms IEC 60068-2-27                                                                                                                                                                                                                                                           |
| Electrical shock protection class     | Class I 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<br>INERIS 04ATEX0014X                                                                                                                                                                                                                                            |
| Standards                             | EN/IEC 60079-31<br>EN/IEC 60079-0                                                                                                                                                                                                                                                    |
| Directives                            | 2014/34/EU - ATEX directive                                                                                                                                                                                                                                                          |

## Ordering and shipping details

|                       |                                 |
|-----------------------|---------------------------------|
| Category              | 22411 - LIMIT SWITCHES,IEC,XCKJ |
| Discount Schedule     | T                               |
| GTIN                  | 3389119035873                   |
| Nbr. of units in pkg. | 1                               |
| Package weight(Lbs)   | 19.26 oz (546 g)                |
| Returnability         | No                              |
| Country of origin     | FR                              |

## Packing Units

|                        |                   |
|------------------------|-------------------|
| Unit Type of Package 1 | PCE               |
| Package 1 Height       | 3.46 in (8.8 cm)  |
| Package 1 width        | 3.35 in (8.5 cm)  |
| Package 1 Length       | 5.98 in (15.2 cm) |

## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                                                                                                                             |
| 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 Di-isodecyl 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> |
| REACH Regulation           |  <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                             |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a>                                                                                                                                                                                              |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                                                                                                               |
| RoHS exemption information |  <a href="#">Yes</a>                                                                                                                                                                                                                                                                           |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a>                                                                                                                                                                                                                                                 |

## Contractual warranty

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

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