

Safety switch, Telemecanique Safety switches  
XCS, metal XCSC, 2 NC + 1 NO, slow break, 1  
entry tapped Pg 13



## Main

|                               |                                                                                          |
|-------------------------------|------------------------------------------------------------------------------------------|
| Range of product              | Telemecanique Safety switches XCS                                                        |
| Product or component type     | Safety switch                                                                            |
| Component name                | XCSC                                                                                     |
| Design                        | Industrial                                                                               |
| Material                      | Metal                                                                                    |
| Head type                     | Key operated turret head                                                                 |
| Contacts type and composition | 2 NC + 1 NO                                                                              |
| Contact operation             | Slow-break, break before make                                                            |
| Cable entry                   | 1 entry tapped for Pg 13.5                                                               |
| Cable outer diameter          | 9...12 mm                                                                                |
| Electrical connection         | Terminal, clamping capacity: 1 x 0.5...2 x 1.5 mm <sup>2</sup> with or without cable end |
| Number of poles               | 3                                                                                        |
| Locking options description   | With locking of actuator, unlocking by key operated lock                                 |
| Local signalling              | Without                                                                                  |

## Complementary

|                                              |                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Positive opening                             | With NC contact                                                                                                                                                                                                                                                                                                          |
| Mechanical durability                        | 600000 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)                                                                                                                                                                                                                                                                                         |
| Actuator forcible withdrawal rtc             | 1500 N                                                                                                                                                                                                                                                                                                                   |
| Minimum actuator force for extraction        | 20 N                                                                                                                                                                                                                                                                                                                     |
| Maximum operating rate                       | 10 cyc/mn for maximum durability                                                                                                                                                                                                                                                                                         |
| 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                                        | 52 mm                                                                                                                                                                                                                                                                                                                    |
| Net weight                                   | 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 TWSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

|                                       |                                                                                             |
|---------------------------------------|---------------------------------------------------------------------------------------------|
| Standards                             | ISO 12100<br>UL 508<br>CSA C22.2 No 14<br>IEC 60947-5-1<br>EN 1088/ISO 14119<br>IEC 60204-1 |
| Product certifications                | CSA[RETURN]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             | 5.100 cm  |
| Package 1 Width              | 12.300 cm |
| Package 1 Length             | 6.700 cm  |
| Package 1 Weight             | 542.000 g |
| Unit Type of Package 2       | S02       |
| Number of Units in Package 2 | 18        |
| Package 2 Height             | 15.000 cm |
| Package 2 Width              | 30.000 cm |
| Package 2 Length             | 40.000 cm |
| Package 2 Weight             | 10.131 kg |

## Offer Sustainability

|                                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status                   | Green Premium product                                                                                                                                                                                                                                                                                                                                                             |
| 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 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> |
| For all Reach Rohs enquiries contact us at | <a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>                                                                                                                                                                                                                                                                                                    |

## Contractual warranty

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