

# XCSTR751

Guard switch, Telemecanique Safety switches  
XCS, XCSTR, spindle 30 mm, 2NC+1 NO,  
Pg11



## Main

|                               |                                                               |
|-------------------------------|---------------------------------------------------------------|
| Range of product              | Telemecanique Safety switches XCS                             |
| Product or component type     | Guard switch                                                  |
| Component name                | XCSTR                                                         |
| Material                      | Plastic                                                       |
| Head type                     | Turret head rotary axis                                       |
| Insulation                    | Double insulated                                              |
| Type of operator              | Spindle 30 mm                                                 |
| Electrical connection         | Terminal                                                      |
| Contacts type and composition | 1 NC + 1 NC + 1 NO                                            |
| Contact operation             | Slow-break, break before make                                 |
| Clamping connection capacity  | 1 x 0.34...2 x 0.75 mm <sup>2</sup> with or without cable end |
| Cable entry                   | 2 entries tapped for Pg 11                                    |
| Number of poles               | 3                                                             |

## Complementary

|                                              |                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cable outer diameter                         | 7...10 mm                                                                                                                                                                                                                                                                                                                      |
| Positive opening                             | With NC contact                                                                                                                                                                                                                                                                                                                |
| Tripping angle                               | 5 °                                                                                                                                                                                                                                                                                                                            |
| Mechanical durability                        | 1000000 cycles                                                                                                                                                                                                                                                                                                                 |
| Minimum torque for tripping                  | 0.1 N.m                                                                                                                                                                                                                                                                                                                        |
| Positive opening minimum torque              | 0.45 N.m                                                                                                                                                                                                                                                                                                                       |
| Minimum actuation speed                      | 0.1 m/s                                                                                                                                                                                                                                                                                                                        |
| Contact code designation                     | B300, AC-15 (Ue = 120 V, Ie = 6 A) conforming to EN/IEC 60947-5-1<br>B300, AC-15 (Ue = 240 V, Ie = 3 A) conforming to EN/IEC 60947-5-1<br>Q300, DC-13 (Ue = 125 V, Ie = 0.2 A) conforming to EN/IEC 60947-5-1<br>R300, DC-13 (Ue = 250 V, Ie = 0.1 A) conforming to EN/IEC 60947-5-1                                           |
| [Ithe] conventional enclosed thermal current | 6 A                                                                                                                                                                                                                                                                                                                            |
| [Ui] rated insulation voltage                | 300 V conforming to UL 508<br>300 V conforming to CSA C22.2 No 14<br>400 V (pollution degree 3) conforming to EN/IEC 60947-1                                                                                                                                                                                                   |
| [Uimp] rated impulse withstand voltage       | 4 kV conforming to EN/IEC 60947-5-1                                                                                                                                                                                                                                                                                            |
| Maximum resistance across terminals          | 30 mOhm conforming to EN/IEC 60947-5-4                                                                                                                                                                                                                                                                                         |
| Short-circuit protection                     | 6 A cartridge fuse type gG (gl)                                                                                                                                                                                                                                                                                                |
| Safety level                                 | Can reach category 4 with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1<br>Can reach PL = e with the appropriate monitoring system and correctly wired conforming to EN/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                                                                                                                                                                                                                                   |
| Enclosure material                           | Polyamide PA66 fibre glass impregnated                                                                                                                                                                                                                                                                                         |
| Lever material                               | Stainless steel                                                                                                                                                                                                                                                                                                                |
| Width                                        | 52 mm                                                                                                                                                                                                                                                                                                                          |
| Height                                       | 117 mm                                                                                                                                                                                                                                                                                                                         |
| Depth                                        | 60 mm                                                                                                                                                                                                                                                                                                                          |
| Net weight                                   | 0.155 kg                                                                                                                                                                                                                                                                                                                       |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products of the company mentioned 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                             | EN/ISO 12100<br>EN/IEC 60947-5-1<br>EN/IEC 60204-1<br>CSA C22.2 No 14<br>EN 1088/ISO 14119<br>EN/IEC 60947-5-4<br>UL 508 |
| Product certifications                | UL[RETURN]CSA[RETURN]BG                                                                                                  |
| Protective treatment                  | TC<br>TH                                                                                                                 |
| Ambient air temperature for operation | -25...70 °C                                                                                                              |
| Ambient air temperature for storage   | -40...70 °C                                                                                                              |
| Vibration resistance                  | 50 gn (f= 10...500 Hz) conforming to IEC 60068-2-6                                                                       |
| Shock resistance                      | 50 gn for 11 ms conforming to IEC 60068-2-27                                                                             |
| Electrical shock protection class     | Class II conforming to EN/IEC 61140                                                                                      |
| IP degree of protection               | IP67 conforming to IEC 60529                                                                                             |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 6.200 cm  |
| Package 1 Width              | 6.800 cm  |
| Package 1 Length             | 12.400 cm |
| Package 1 Weight             | 186.000 g |
| Unit Type of Package 2       | S02       |
| Number of Units in Package 2 | 24        |
| Package 2 Height             | 15.000 cm |
| Package 2 Width              | 30.000 cm |
| Package 2 Length             | 40.000 cm |
| Package 2 Weight             | 4.874 kg  |

## 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 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> |
| For all Reach Rohs enquiries contact us at | <a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>                                                                                                                                                                                                                                                                                                   |

## Contractual warranty

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