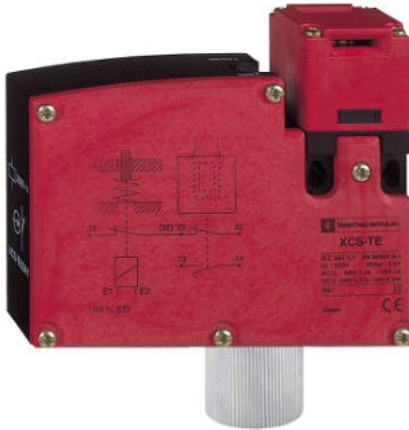


# XCSTE7313

Safety switch, Telemecanique Safety switches  
XCS, plastic XCSTE, 2NC, slow break, 1 entry  
tapped 1/2" NPT -24 V



## Main

|                                                          |                                                                                          |
|----------------------------------------------------------|------------------------------------------------------------------------------------------|
| Range of product                                         | Telemecanique Safety switches XCS                                                        |
| Product or component type                                | Safety switch                                                                            |
| Component name                                           | XCSTE                                                                                    |
| Design                                                   | Rectangular                                                                              |
| Material                                                 | Plastic                                                                                  |
| Head type                                                | Key operated turret head                                                                 |
| Contacts type and composition                            | 2 NC                                                                                     |
| Contact operation                                        | Slow-break, simultaneous                                                                 |
| Solenoid contacts type and composition                   | 1 NC (slow-break)                                                                        |
| Cable entry                                              | 1 entry tapped for 1/2" NPT                                                              |
| Electromagnet interlocking                               | Locking on de-energisation and unlocking on energisation of solenoid                     |
| [Us]&nbsp;solenoid&nbsp;rate&nbsp;of&nbsp;supply voltage | 24 V AC, 50/60 Hz                                                                        |
| 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                                          | 2                                                                                        |
| Locking options description                              | With interlocking, locking by solenoid                                                   |

## Complementary

|                                              |                                                                                                                                                                                                                                          |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Insulation                                   | Double insulated                                                                                                                                                                                                                         |
| Positive opening                             | With NC contact                                                                                                                                                                                                                          |
| Supply voltage type                          | AC/DC                                                                                                                                                                                                                                    |
| Supply frequency                             | 50/60 Hz                                                                                                                                                                                                                                 |
| Load factor                                  | 1                                                                                                                                                                                                                                        |
| Power consumption in VA                      | 10 VA                                                                                                                                                                                                                                    |
| Mechanical durability                        | 1000000 cycles                                                                                                                                                                                                                           |
| Positive opening minimum force               | 15 N                                                                                                                                                                                                                                     |
| Minimum actuation speed                      | 0.01 m/s                                                                                                                                                                                                                                 |
| Maximum actuation speed                      | 0.5 m/s                                                                                                                                                                                                                                  |
| [Ie] rated operational current               | 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<br>3 A at 120 V, AC-15, B300 conforming to IEC 60947-5-1<br>1.5 A at 240 V, AC-15, B300 conforming to IEC 60947-5-1 |
| [Ithe] conventional enclosed thermal current | 6 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             | 500 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           | PA (polyamide)                                                                                                                                                                                                                                                                                                           |
| Head material           | PA (polyamide)                                                                                                                                                                                                                                                                                                           |
| Depth                   | 33 mm                                                                                                                                                                                                                                                                                                                    |
| Height                  | 94 mm                                                                                                                                                                                                                                                                                                                    |
| Width                   | 110 mm                                                                                                                                                                                                                                                                                                                   |
| Net weight              | 0.36 kg                                                                                                                                                                                                                                                                                                                  |

## Environment

|                                       |                                                                                             |
|---------------------------------------|---------------------------------------------------------------------------------------------|
| Standards                             | IEC 60204-1<br>CSA C22.2 No 14<br>IEC 60947-5-1<br>ISO 12100<br>UL 508<br>EN 1088/ISO 14119 |
| Product certifications                | UL[RETURN]CSA                                                                               |
| Protective treatment                  | TC                                                                                          |
| Ambient air temperature for operation | -25...60 °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 II 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             | 4.200 cm  |
| Package 1 Width              | 10.600 cm |
| Package 1 Length             | 11.000 cm |
| Package 1 Weight             | 438.000 g |
| Unit Type of Package 2       | S02       |
| Number of Units in Package 2 | 22        |
| Package 2 Height             | 15.000 cm |
| Package 2 Width              | 30.000 cm |
| Package 2 Length             | 40.000 cm |
| Package 2 Weight             | 9.958 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 |
|----------|-----------|