

# XCSB801

Safety switch, Telemecanique Safety switches XCS, metal XCSB, 3 NC, slow break, 1 entry tapped Pg 13



## Main

|                               |                                                                                          |
|-------------------------------|------------------------------------------------------------------------------------------|
| Range of product              | Telemecanique Safety switches XCS                                                        |
| Product or component type     | Safety switch                                                                            |
| Component name                | XCSB                                                                                     |
| 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 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 push-button                                       |
| 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                                   | 0.475 kg                                                                                                                                                                                                                                                                                                                 |

## Environment

|                                       |                                                                                             |
|---------------------------------------|---------------------------------------------------------------------------------------------|
| Standards                             | ISO 12100<br>CSA C22.2 No 14<br>IEC 60204-1<br>UL 508<br>IEC 60947-5-1<br>EN 1088/ISO 14119 |
| 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             | 12.2 cm |
| Package 1 Width              | 5.0 cm  |
| Package 1 Length             | 6.8 cm  |
| Package 1 Weight             | 508.0 g |

## 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 |
|----------|-----------|