

Safety switch, Telemecanique Safety switches  
XCS, plastic XCSLE, 4NC+2 NO, slow break, 3  
entries tapped M20, 24 V



Main

|  |  |
|--|--|
| Range of product                       | Telemecanique Safety switches XCS  |
| Product or component type              | Safety switch  |
| Component name                         | XCSLE  |
| Design                                 | Slim   |
| Material                               | Plastic  |
| Head type                              | Key operated turret head   |
| Contacts type and composition          | 2 NC + 1 NO  |
| Contact operation                      | Slow-break, break before make  |
| Solenoid contacts type and composition | 2 NC + 1 NO (slow-break, break before make)  |
| Cable entry                            | 3 entries tapped for M20 x 1.5   |
| Electromagnet interlocking             | Locking on de-energisation and unlocking on energisation of solenoid   |
| [Us] solenoid rated voltage            | 24 V   |
| Cable outer diameter                   | 7...13 mm  |
| Electrical connection                  | Spring terminal, clamping capacity: 1 x 1.5 mm <sup>2</sup> flexible or solid cable<br>Spring terminal, clamping capacity: 2 x 0.5 mm <sup>2</sup> flexible cables with 13 mm bared ends |
| Number of poles                        | 3  |
| Locking options description            | With interlocking, locking by solenoid   |
| Local signalling                       | 1 LED (orange) for actuator withdrawn<br>1 LED (green) for actuator inserted and locked  |
| Signalling circuit voltage             | 24 V   |

Complementary

|  |   |
|--|---|
| Insulation                                   | Double insulated  |
| Positive opening                             | With NC contact   |
| Supply voltage type                          | AC/DC   |
| Supply frequency                             | 50/60 Hz  |
| Load factor                                  | 1   |
| Signalling circuit type                      | AC/DC   |
| Mechanical durability                        | 1000000 cycles  |
| Minimum actuation speed                      | 0.01 m/s  |
| Maximum actuation speed                      | 0.5 m/s   |
| [Ie] rated operational current               | 0.55 A at 24 V, DC-13, R300 conforming to IEC 60947-5-1<br>0.75 A at 240 V, AC-15, C300 conforming to IEC 60947-5-1       |
| [Ithe] conventional enclosed thermal current | 4 A   |
| Maximum load current                         | <= 15 A   |
| [Ui] rated insulation voltage                | 300 V conforming to UL 508<br>300 V conforming to CSA C22.2 No 14<br>250 V (pollution degree 3) conforming to IEC 60947-1 |
| [Uimp] rated impulse withstand voltage       | 4 kV conforming to IEC 60947-5-1  |
| Minimum switching current                    | 10 mA at 20 °C  |
| Minimum switching voltage                    | 17 V  |

|  |   |
|--|---|
| Short-circuit protection                 | 4 A cartridge fuse type gG (gl)<br>6 A type fast blow   |
| Maximum actuator forcible withdrawal rtc | 1400 N  |
| Minimum actuator force for extraction    | 20 N  |
| Resistance to mechanical impact          | 1.2 J against the partition<br>4.9 J without partition  |
| 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 conforming to IEC 61508 |
| Safety reliability data                  | B10d = 5500000 value given for a life time of 20 years limited by mechanical or contact wear  |
| Body material                            | PA (polyamide)  |
| Head material                            | PA (polyamide)  |
| Depth                                    | 51 mm   |
| Height                                   | 205 mm  |
| Width                                    | 44 mm   |
| Net weight                               | 0.53 kg   |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | UL 508<br>IEC 60204-1<br>CSA C22.2 No 14<br>IEC 62061<br>ISO 13849-1<br>IEC 60947-5-1<br>EN 1088/ISO 14119 |
| Product certifications                | CSA[RETURN]UL[RETURN]TÜV   |
| 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               | IP66 conforming to EN/IEC 60529 and EN/IEC 60947-5-1<br>IP67   |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 5.7 cm   |
| Package 1 Width              | 7.3 cm   |
| Package 1 Length             | 23.0 cm  |
| Package 1 Weight             | 630.0 g  |
| Unit Type of Package 2       | PAL      |
| Number of Units in Package 2 | 128      |
| Package 2 Height             | 60.0 cm  |
| Package 2 Width              | 80.0 cm  |
| Package 2 Length             | 128.0 cm |
| Package 2 Weight             | 403.2 kg |
| Unit Type of Package 3       | S02      |
| Number of Units in Package 3 | 8        |
| Package 3 Height             | 15.0 cm  |
| Package 3 Width              | 30.0 cm  |
| Package 3 Length             | 40.0 cm  |
| Package 3 Weight             | 5.91 kg  |

### Offer Sustainability

|  |   |
|--|---|
| Sustainable offer status                   | Green Premium product   |
| Circularity Profile                        |  End of Life Information   |
| California proposition 65                  | WARNING: This product can expose you to chemicals including: Diisobutyl 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 |
|----------|-----------|