

XCSLF353531M3

Safety switch, Telemecanique Safety switches XCS, metal key operated solenoid XCSLF, 2NC+4 NO, slow, M23 connector, 24 V



Main

| | |
|--|---|
| Range of product | Telemecanique Safety switches XCS |
| Product or component type | Safety switch |
| Component name | XCSLF |
| Design | Slim |
| Material | Metal |
| Head type | Key operated turret head |
| Contacts type and composition | 1 NC + 2 NO |
| Contact operation | Slow-break, break before make |
| Solenoid contacts type and composition | 1 NC + 2 NO (slow-break, break before make) |
| Electromagnet interlocking | Locking on de-energisation and unlocking on energisation of solenoid |
| [Us] solenoid rate of supply voltage | 24 V AC/DC |
| Cable outer diameter | 7...13 mm |
| Electrical connection | Male connector M23, 19 pins |
| Number of poles | 3 |
| Locking options description | With interlocking, locking by solenoid |
| Local signalling | 1 LED (orange) for actuator withdrawn 1 LED (green) for actuator inserted and locked |
| Signalling circuit voltage | 24 V |

Complementary

| | |
|--|---|
| 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 | 1.5 A at 24 V, AC-15 conforming to EN/IEC 60947-5-1 0.22 A at 24 V, DC-13 conforming to EN/IEC 60947-5-1 |
| [Ithe] conventional enclosed thermal current | 4 A |
| Maximum load current | <= 15 A |
| [Ui] rated insulation voltage | 60 V (pollution degree 3) conforming to EN/IEC 60947-1 50 V conforming to UL 508 50 V conforming to CSA C22.2 No 14 |
| [Uimp] rated impulse withstand voltage | 0.8 kV conforming to EN/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) 6 A type fast blow |
| Maximum actuator forcible withdrawal rtc | 3000 N |
| Minimum actuator force for extraction | 20 N |

| | |
|---------------------------------|--|
| Resistance to mechanical impact | 9.6 J against the partition 6.4 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 EN/ISO 13849-1 Can reach PL = e with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1 Can reach SIL 3 conforming to EN/IEC 61508 |
| Safety reliability data | B10d = 5500000 value given for a life time of 20 years limited by mechanical or contact wear |
| Body material | Zamak |
| Head material | Zamak |
| Depth | 51 mm |
| Height | 225 mm |
| Width | 44 mm |
| Net weight | 1.1 kg |

Environment

| | |
|---------------------------------------|--|
| Standards | UL 508 CSA C22.2 No 14 EN/IEC 60204-1 EN/IEC 60947-5-1 EN 1088/ISO 14119 EN/ISO 13849-1 EN/IEC 62061 |
| 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 I conforming to EN/IEC 61140 |
| IP degree of protection | IP65 conforming to EN/IEC 60529 and EN/IEC 60947-5-1 IP65 |

Packing Units

| | |
|------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 6 cm |
| Package 1 Width | 7.5 cm |
| Package 1 Length | 24.2 cm |
| Package 1 Weight | 1.3 kg |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 10 |
| Package 2 Height | 15 cm |
| Package 2 Width | 30 cm |
| Package 2 Length | 40 cm |
| Package 2 Weight | 13.455 kg |

Offer Sustainability

| | |
|--|---|
| 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 www.P65Warnings.ca.gov |
| For all Reach Rohs enquiries contact us at | sustainability@tesensors.com |

Contractual warranty

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