

# XCSLE373731M3

Safety switch, Telemecanique Safety switches XCS, plastic key operated solenoid XCSLE, 4NC+2 NO, slow, M23 connect., 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)                                              |
| Electromagnet interlocking             | Locking on de-energisation and unlocking on energisation of solenoid                    |
| [Us] solenoid rated supply voltage     | 24 V                                                                                    |
| Cable outer diameter                   | 0.28...0.51 in (7...13 mm)                                                              |
| Electrical connection                  | Male connector M23, 19 pins                                                             |
| Number of poles                        | 3                                                                                       |
| Locking options description            | With interlocking, locking by solenoid                                                  |
| Local signalling                       | For actuator withdrawn 1 LED (orange)<br>For actuator inserted and locked 1 LED (green) |
| 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                      | 0.03 ft/s (0.01 m/s)                                       |
| Maximum actuation speed                      | 1.64 ft/s (0.5 m/s)                                        |
| [Ie] rated operational current               | 1.5 A 24 V<br>0.22 A 24 V                                  |
| [Ithe] conventional enclosed thermal current | 4 A                                                        |
| Maximum load current                         | <= 15 A                                                    |
| [Ui] rated insulation voltage                | 60 V 3)EN/IEC 60947-1<br>50 VUL 508<br>50 VCSA C22.2 No 14 |
| [Uimp] rated impulse withstand voltage       | 0.8 kV 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 gG (gl)<br>6 A 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 EN/ISO 13849-1<br>Can reach PL = e with the appropriate monitoring system and correctly wired EN/ISO 13849-1<br>Can reach SIL 3 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                   | PA (polyamide)                                                                                                                                                                                                               |
| Head material                   | PA (polyamide)                                                                                                                                                                                                               |
| Depth                           | 2.01 in (51 mm)                                                                                                                                                                                                              |
| Height                          | 8.86 in (225 mm)                                                                                                                                                                                                             |
| Width                           | 1.73 in (44 mm)                                                                                                                                                                                                              |
| Net Weight                      | 1.17 lb(US) (0.53 kg)                                                                                                                                                                                                        |

## Environment

|                                       |                                                                                                                        |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Standards                             | EN/IEC 60204-1<br>EN/ISO 13849-1<br>EN/IEC 62061<br>CSA C22.2 No 14<br>EN/IEC 60947-5-1<br>UL 508<br>EN 1088/ISO 14119 |
| Product Certifications                | CSA<br>UL<br>TÜV                                                                                                       |
| Protective treatment                  | TC                                                                                                                     |
| Ambient Air Temperature for Operation | -13...140 °F (-25...60 °C)                                                                                             |
| Ambient Air Temperature for Storage   | -40...158 °F (-40...70 °C)                                                                                             |
| Vibration resistance                  | 5 gn 10...500 Hz)IEC 60068-2-6                                                                                         |
| Shock resistance                      | 10 gn 11 ms IEC 60068-2-27                                                                                             |
| Electrical shock protection class     | Class I EN/IEC 61140                                                                                                   |
| IP degree of protection               | IP65 conforming to EN/IEC 60529 and EN/IEC 60947-5-1<br>IP65                                                           |

## Ordering and shipping details

|                   |                               |
|-------------------|-------------------------------|
| Category          | 22411-LIMIT SWITCHES,IEC,XCKJ |
| Discount Schedule | T                             |
| GTIN              | 3606480465437                 |
| Returnability     | No                            |
| Country of origin | ID                            |

## Packing Units

|                              |                           |
|------------------------------|---------------------------|
| Unit Type of Package 1       | PCE                       |
| Number of Units in Package 1 | 1                         |
| Package 1 Height             | 2.36 in (6.0 cm)          |
| Package 1 Width              | 2.95 in (7.5 cm)          |
| Package 1 Length             | 9.65 in (24.5 cm)         |
| Package 1 Weight             | 24.27 oz (688.0 g)        |
| Unit Type of Package 2       | PAL                       |
| Number of Units in Package 2 | 128                       |
| Package 2 Height             | 23.62 in (60.0 cm)        |
| Package 2 Width              | 31.50 in (80.0 cm)        |
| Package 2 Length             | 50.39 in (128.0 cm)       |
| Package 2 Weight             | 220.82 lb(US) (100.16 kg) |
| Unit Type of Package 3       | S02                       |
| Number of Units in Package 3 | 8                         |
| Package 3 Height             | 5.91 in (15.0 cm)         |

|                  |                         |
|------------------|-------------------------|
| Package 3 Width  | 11.81 in (30.0 cm)      |
| Package 3 Length | 15.75 in (40.0 cm)      |
| Package 3 Weight | 13.40 lb(US) (6.079 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 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> |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                                                                                                                 |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>                                                                                                                                                                                                                                                                                    |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                                                                                                               |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                                                                                                                                                                                                                                                                               |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                                                                                                                                                                                                                                                                                     |
| Circularity Profile        | <a href="#">End Of Life Information</a>                                                                                                                                                                                                                                                                                                                                           |

## Contractual warranty

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