

# XCSLE2525342

Safety switch, Telemecanique Safety switches XCS, plastic XCSLE, 2NC+2 NO, slow break, 3 entries tapped M20 -230 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                     | 1 NC + 1 NO                                                                                                                                      |
| Contact operation                                 | Slow-break, break before make                                                                                                                    |
| Solenoid contacts type and composition            | 1 NC + 1 NO slow-break, break before make)                                                                                                       |
| Cable entry                                       | 3 entries tapped M20 x 1.5                                                                                                                       |
| Electromagnet interlocking                        | Locking on de-energisation and unlocking on energisation of solenoid                                                                             |
| [Us]&nbsp;solenoid&nbsp;rated&nbsp;supply voltage | 230 V AC, 150 V DC                                                                                                                               |
| Cable outer diameter                              | 0.28...0.51 in (7...13 mm)                                                                                                                       |
| Electrical connection                             | Spring terminal 1 x 1.5 mm <sup>2</sup> flexible or solid cable<br>Spring terminal 2 x 0.5 mm <sup>2</sup> flexible cables with 13 mm bared ends |
| Number of poles                                   | 2                                                                                                                                                |
| 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                        | 230 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                                                                                      |
| 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               | 0.55 A 24 V, DC-13, R300 EN/IEC 60947-5-1<br>0.75 A 240 V, AC-15, C300 EN/IEC 60947-5-1 |
| [Ithe] conventional enclosed thermal current | 4 A                                                                                     |
| Maximum load current                         | <= 15 A                                                                                 |
| [Ui] rated insulation voltage                | 300 VUL 508<br>300 VCSA C22.2 No 14<br>250 V 3)EN/IEC 60947-1                           |
| [Uimp] rated impulse withstand voltage       | 4 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                                   | 8.07 in (205 mm)                                                                                                                                                                                                             |
| Width                                    | 1.73 in (44 mm)                                                                                                                                                                                                              |
| Net Weight                               | 1.17 lb(US) (0.53 kg)                                                                                                                                                                                                        |

## Environment

|                                       |                                                                                                                        |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Standards                             | CSA C22.2 No 14<br>EN/IEC 60947-5-1<br>EN 1088/ISO 14119<br>UL 508<br>EN/ISO 13849-1<br>EN/IEC 62061<br>EN/IEC 60204-1 |
| 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 II EN/IEC 61140                                                                                                  |
| IP degree of protection               | IP66 conforming to EN/IEC 60529 and EN/IEC 60947-5-1<br>IP67                                                           |

## Ordering and shipping details

|                       |                               |
|-----------------------|-------------------------------|
| Category              | 22411-LIMIT SWITCHES,IEC,XCKJ |
| Discount Schedule     | T                             |
| GTIN                  | 3606489413651                 |
| Nbr. of units in pkg. | 1                             |
| Package weight(Lbs)   | 22.22 oz (630.0 g)            |
| Returnability         | No                            |
| Country of origin     | ID                            |

## Packing Units

|                              |                         |
|------------------------------|-------------------------|
| Unit Type of Package 1       | PCE                     |
| Package 1 Height             | 2.24 in (5.7 cm)        |
| Package 1 width              | 2.87 in (7.3 cm)        |
| Package 1 Length             | 8.98 in (22.8 cm)       |
| Unit Type of Package 2       | S02                     |
| Number of Units in Package 2 | 10                      |
| Package 2 Weight             | 14.89 lb(US) (6.755 kg) |
| Package 2 Height             | 5.91 in (15 cm)         |

|                  |                  |
|------------------|------------------|
| Package 2 width  | 11.81 in (30 cm) |
| Package 2 Length | 15.75 in (40 cm) |

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

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