

# XCSLF353531M3

metal key operated solenoid switch XCSLF -  
2NC+4NO - slow - M23 connector - 24V

Product availability: Non-Stock - Not normally stocked in distribution facility



## Main

|                                        |                                                                                 |
|----------------------------------------|---------------------------------------------------------------------------------|
| Range of product                       | Preventa Safety detection                                                       |
| 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 rated supply voltage     | 24 V (- 15...10 %)                                                              |
| 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| Local signalling                       | 1 LED orange (actuator withdrawn)<br>1 LED green (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                      | 0.03 ft/s (0.01 m/s)                                                                                                                                |
| Maximum actuation speed                      | 1.64 ft/s (0.5 m/s)                                                                                                                                 |
| [Ie] rated operational current               | 1.5 A at 24 V utilisation category AC-15 conforming to EN/IEC 60947-5-1<br>0.22 A at 24 V utilisation category 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                | 50 V conforming to CSA C22.2 No 14<br>60 V (degree of pollution: 3) conforming to EN/IEC 60947-1<br>50 V conforming to UL 508                       |
| [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)<br>6 A type fast blow                                                                                               |
| Actuator forcible withdrawal rtc             | 3000 N                                                                                                                                              |
| Actuator force for extraction                | >= 20 N                                                                                                                                             |
| Resistance to mechanical impact              | 9.6 J against the partition<br>6.4 J without partition                                                                                              |

|                         |                                                                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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<br>Can reach PL = e with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1<br>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                   | 2.01 in (51 mm)                                                                                                                                                                                                                                                        |
| Height                  | 8.86 in (225 mm)                                                                                                                                                                                                                                                       |
| Width                   | 1.73 in (44 mm)                                                                                                                                                                                                                                                        |
| Product weight          | 2.43 lb(US) (1.1 kg)                                                                                                                                                                                                                                                   |

## Environment

|                                       |                                                                                                                        |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Standards                             | EN/ISO 13849-1<br>CSA C22.2 No 14<br>EN/IEC 60947-5-1<br>EN/IEC 60204-1<br>UL 508<br>EN 1088/ISO 14119<br>EN/IEC 62061 |
| Product certifications                | CSA<br>TÜV<br>UL                                                                                                       |
| 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 (f = 10...500 Hz) conforming to IEC 60068-2-6                                                                     |
| Shock resistance                      | 10 gn 11 ms conforming to IEC 60068-2-27                                                                               |
| Electrical shock protection class     | Class I conforming to EN/IEC 61140                                                                                     |
| IP degree of protection               | IP65<br>IP65 conforming to EN/IEC 60529 and EN/IEC 60947-5-1                                                           |

## Ordering and shipping details

|                       |                                 |
|-----------------------|---------------------------------|
| Category              | 22411 - LIMIT SWITCHES,IEC,XCKJ |
| Discount Schedule     | T                               |
| GTIN                  | 003606480465482                 |
| Nbr. of units in pkg. | 1                               |
| Package weight(Lbs)   | 2.4199999999999999              |
| Returnability         | N                               |
| Country of origin     | ID                              |

## Offer Sustainability

|                            |                                                                                                                                    |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| RoHS (date code: YYWW)     | Compliant - since 1045 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                      | Reference not containing SVHC above the threshold                                                                                  |
| California proposition 65  | WARNING: This product can expose you to chemicals including:                                                                       |
| - - - - - Substance 1      | Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and                                        |
| - - - - - Substance 2      | Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.         |
| - - - - - More information | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                                      |

## Contractual warranty

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

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