



## 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          | 2 NC                                                                                                                                               |
| Contact operation                      | Slow-break, simultaneous                                                                                                                           |
| Solenoid contacts type and composition | 2 NC (slow-break, simultaneous)                                                                                                                    |
| Cable entry                            | 3 entries tapped M20 x 1.5                                                                                                                         |
| Electromagnet interlocking             | Locking on de-energisation and unlocking on energisation of solenoid                                                                               |
| [Us] rated supply voltage              | 24 V (- 15...10 %)                                                                                                                                 |
| 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                       | 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               | 0.55 A at 24 V utilisation category DC-13, R300 conforming to EN/IEC 60947-5-1<br>0.75 A at 240 V utilisation category AC-15, C300 conforming to EN/IEC 60947-5-1 |
| [Ithe] conventional enclosed thermal current | 4 A                                                                                                                                                               |
| Maximum load current                         | <= 15 A                                                                                                                                                           |
| [Ui] rated insulation voltage                | 250 V (degree of pollution: 3) conforming to EN/IEC 60947-1<br>300 V conforming to UL 508<br>300 V conforming to CSA C22.2 No 14                                  |
| [Uimp] rated impulse withstand voltage       | 4 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                                                                                   |

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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                   | 2.01 in (51 mm)                                                                                |
| Height                  | 8.07 in (205 mm)                                                                               |
| Width                   | 1.73 in (44 mm)                                                                                |
| Product weight          | 2.43 lb(US) (1.1 kg)                                                                           |

## Environment

|                                       |                                                                                                                        |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| standards                             | EN 1088/ISO 14119<br>EN/IEC 60204-1<br>EN/IEC 60947-5-1<br>EN/IEC 62061<br>EN/ISO 13849-1<br>UL 508<br>CSA C22.2 No 14 |
| 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               | IP66 conforming to EN/IEC 60529 and EN/IEC 60947-5-1<br>IP67                                                           |

## Offer Sustainability

|                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Not Green Premium product                                                                                                  | Not Green Premium product                                                                                                  |
| Compliant - since 1045 - Schneider Electric declaration of conformity                                                      | Compliant - since 1045 - Schneider Electric declaration of conformity                                                      |
| Reference not containing SVHC above the threshold                                                                          | Reference not containing SVHC above the threshold                                                                          |
| Available                                                                                                                  | Available                                                                                                                  |
| WARNING: This product can expose you to chemicals including:                                                               | WARNING: This product can expose you to chemicals including:                                                               |
| Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and                                | 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. | 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 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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