



## Main

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|--|--|
| 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 + 1 NO  |
| Contact operation                      | Slow-break, break before make  |
| Solenoid contacts type and composition | 2 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] Solenoid Rated Supply voltage     | 230 V (- 15...10 %)  |
| Cable outer diameter                   | 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                        | 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| Local signalling                       | 1 LED orange (actuator withdrawn)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             | 230 V  |

## Complementary

|                                |  |
|--------------------------------|--|
| 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        | 0.01 m/s   |
| Maximum actuation speed        | 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 |

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|  | 0.75 A at 240 V utilisation category AC-15, C300 conforming to EN/IEC 60947-5-1  |
| [I <sub>th</sub> ] conventional enclosed thermal current | 4 A  |
| Maximum load current                                     | <= 15 A  |
| [U <sub>i</sub> ] rated insulation voltage               | 300 V conforming to CSA C22.2 No 14<br>250 V (degree of pollution: 3) conforming to EN/IEC 60947-1<br>300 V conforming to UL 508   |
| [U <sub>imp</sub> ] 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 r <sub>tc</sub>             | 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  | 51 mm  |
| Height   | 205 mm   |
| Width  | 44 mm  |
| Product weight   | 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 | -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               | IP66 conforming to EN/IEC 60529 and EN/IEC 60947-5-1<br>IP67   |

## Offer Sustainability

|                                  |   |
|----------------------------------|---|
| RoHS (date code: YYWW)           | Compliant - since 1045 - Schneider Electric declaration of conformity<br><a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold<br><a href="#">Reference not containing SVHC above the threshold</a>                |
| Product end of life instructions | Available<br><a href="#">End of Life Information</a>  |

## Contractual warranty

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