



## 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          | 3 NC  |
| 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 energisation and unlocking on de-energisation of solenoid            |
| [Us] Solenoid Rated Supply voltage     | 24 V - 15...10 %  |
| Cable outer diameter                   | 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| Local signalling                       | 1 LED (orange)actuator withdrawn: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        | 0.01 m/s                        |
| Maximum actuation speed        | 0.5 m/s                         |
| [Ie] rated operational current | 1.5 A at 24 V<br>0.22 A at 24 V |

|  |  |
|--|--|
| [I <sub>th</sub> ] conventional enclosed thermal current | 4 A  |
| Maximum load current                                     | <= 15 A  |
| [U <sub>i</sub> ] rated insulation voltage               | 60 V (pollution degree 3) conforming to EN/IEC 60947-1<br>50 V conforming to UL 508<br>50 V conforming to CSA C22.2 No 14  |
| [U <sub>imp</sub> ] 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 type gG (gl)<br>6 A type fast blow  |
| Maximum actuator forcible withdrawal force               | 3000 N   |
| Minimum actuator force for extraction                    | 20 N   |
| Resistance to mechanical impact                          | 9.6 J against the partition<br>6.4 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 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   | 225 mm   |
| Width  | 44 mm  |
| Net weight   | 1.1 kg   |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | EN/IEC 60947-5-1<br>EN 1088/ISO 14119<br>UL 508<br>EN/ISO 13849-1<br>CSA C22.2 No 14<br>EN/IEC 62061<br>EN/IEC 60204-1 |
| Product certifications                | TÜV<br>CSA<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               | IP65 conforming to EN/IEC 60529 and EN/IEC 60947-5-1<br>IP65   |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| REACH Regulation           | <a href="#">REACH Declaration</a>   |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a> |
| Mercury free               | Yes   |
| RoHS exemption information | <a href="#">Yes</a>   |

Contractual warranty

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| Warranty | 18 months |
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