



## 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 + 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] 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                        | 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               | 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                                                                                   |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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 |
|-----------------|-----------|



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
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- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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