



## Main

|                               |                           |
|-------------------------------|---------------------------|
| Range of product              | Preventa Safety detection |
| Product or component type     | Coded magnetic switch     |
| Component name                | XCSDMR                    |
| Design                        | Cylindrical               |
| Size                          | Ø 30 x 38.5 mm            |
| Contacts type and composition | 2 NC                      |
| Contact operation             | Staggered                 |
| Material                      | Plastic                   |
| Electrical connection         | Connector on flying lead  |
| Connector type                | M12                       |
| Cable length                  | 0.49 ft (0.15 m)          |
| Number of poles               | 2                         |
| Approach directions           | 1 direction               |
| System Voltage                | 24 V DC                   |
| [Ui] rated insulation voltage | 100 V DC                  |

## Complementary

|                                        |                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Sa] assured operating distance        | 0.31 in (8 mm)                                                                                                                                                                                                                                                                                                                          |
| [Sar] assured tripping distance        | 0.79 in (20 mm)                                                                                                                                                                                                                                                                                                                         |
| [Ie] rated operational current         | <= 100 mA                                                                                                                                                                                                                                                                                                                               |
| [Uimp] rated impulse withstand voltage | 2.5 kV conforming to EN/IEC 60947-5-1                                                                                                                                                                                                                                                                                                   |
| Resistance across terminals            | 10 Ohm                                                                                                                                                                                                                                                                                                                                  |
| Short-circuit protection               | 500 mA external cartridge fuse type gG (gl)                                                                                                                                                                                                                                                                                             |
| Contacts material                      | Rhodium                                                                                                                                                                                                                                                                                                                                 |
| Electrical durability                  | 1200000 cycles                                                                                                                                                                                                                                                                                                                          |
| Maximum switching voltage              | DC                                                                                                                                                                                                                                                                                                                                      |
| Switching capacity in mA               | 0.1...100 mA                                                                                                                                                                                                                                                                                                                            |
| Insulation resistance                  | 1000 MOhm                                                                                                                                                                                                                                                                                                                               |
| Breaking capacity                      | <= 10 VA                                                                                                                                                                                                                                                                                                                                |
| Switching frequency                    | 150 Hz                                                                                                                                                                                                                                                                                                                                  |
| 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 (with the appropriate monitoring system and correctly wired) conforming to EN/IEC 61508 |
| Safety reliability data                | B10d = 50000000 (value given for a life time of 20 years limited by mechanical or contact wear)                                                                                                                                                                                                                                         |
| Enclosure material                     | Thermoplastic PBT                                                                                                                                                                                                                                                                                                                       |
| Cable material                         | PVC                                                                                                                                                                                                                                                                                                                                     |
| Diameter                               | 1.18 in (30 mm)                                                                                                                                                                                                                                                                                                                         |
| Length                                 | 1.54 in (39 mm)                                                                                                                                                                                                                                                                                                                         |
| Product weight                         | 0.32 lb(US) (0.146 kg)                                                                                                                                                                                                                                                                                                                  |

## Environment

|                        |                                                                                 |
|------------------------|---------------------------------------------------------------------------------|
| standards              | EN/IEC 60204-1<br>EN/IEC 60947-5-1<br>EN/ISO 12100<br>UL 508<br>CSA C22.2 No 14 |
| product certifications | BG                                                                              |

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.

|                                       |                                                     |
|---------------------------------------|-----------------------------------------------------|
|                                       | CSA<br>UL                                           |
| protective treatment                  | TH                                                  |
| ambient air temperature for operation | -13...185 °F (-25...85 °C)                          |
| ambient air temperature for storage   | -40...185 °F (-40...85 °C)                          |
| vibration resistance                  | 10 gn (f = 10...150 Hz) conforming to IEC 60068-2-6 |
| shock resistance                      | 30 gn 11 ms conforming to IEC 60068-2-27            |
| sensitivity to magnetic fields        | >= 0.3 mT                                           |
| electrical shock protection class     | Class II conforming to EN/IEC 61140                 |
| IP degree of protection               | IP67 conforming to IEC 60529                        |

### Offer Sustainability

|                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Not Green Premium product                                                                                                  | Not Green Premium product                                                                                                  |
| Compliant - since 0729 - Schneider Electric declaration of conformity                                                      | Compliant - since 0729 - Schneider Electric declaration of conformity                                                      |
| Reference not containing SVHC above the threshold                                                                          | Reference not containing SVHC above the threshold                                                                          |
| 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!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- 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.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- 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

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.