

Coded magnetic switch, Telemecanique Safety switches XCS, XCSDMP, 1 NC + 2 NO, 1 NO staggered, 10 m



## Main

|                                |                                   |
|--------------------------------|-----------------------------------|
| Range of product               | Telemecanique Safety switches XCS |
| Product or component type      | Coded magnetic switch             |
| Component name                 | XCSDMP                            |
| Design                         | Rectangular, standard             |
| Size                           | 88 x 25 x 13 mm                   |
| Contacts type and composition  | 1 NC + 2 NO                       |
| Contact operation              | 1 NO staggered                    |
| Material                       | Plastic                           |
| Electrical connection          | Pre-cabled                        |
| Cable composition              | 6 x 0.25 mm <sup>2</sup>          |
| Cable length                   | 10 m                              |
| Number of poles                | 3                                 |
| Approach directions            | 3 directions                      |
| [Ue] rated operational voltage | 24 V DC                           |
| [Ui] rated insulation voltage  | 100 V DC                          |

## Complementary

|                                        |                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Sa] assured operating distance        | 8 mm                                                                                                                                                                                                                                                                                                                     |
| [Sar] assured tripping distance        | 20 mm                                                                                                                                                                                                                                                                                                                    |
| Maximum [Ie] rated operational current | 100 mA                                                                                                                                                                                                                                                                                                                   |
| [Uimp] rated impulse withstand voltage | 2.5 kV conforming to 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              | 100 V 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 ISO 13849-1<br>Can reach PL = e with the appropriate monitoring system and correctly wired conforming to ISO 13849-1<br>Can reach SIL 3 with the appropriate monitoring system and correctly wired conforming to 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                                                                                                                                                                                                                                                                                                                      |
| Depth                                  | 13 mm                                                                                                                                                                                                                                                                                                                    |
| Height                                 | 88 mm                                                                                                                                                                                                                                                                                                                    |
| Width                                  | 25 mm                                                                                                                                                                                                                                                                                                                    |
| Net weight                             | 0.18 kg                                                                                                                                                                                                                                                                                                                  |

## Environment

|                                        |                                                                                     |
|----------------------------------------|-------------------------------------------------------------------------------------|
| Standards                              | IEC 60204-1<br>ISO 14119<br>UL 508<br>ISO 12100<br>IEC 60947-5-1<br>CSA C22.2 No 14 |
| Product certifications                 | CSA[RETURN]UL                                                                       |
| Protective treatment                   | TH                                                                                  |
| Ambient air temperature for operation  | -25...85 °C                                                                         |
| Ambient air temperature for storage    | -40...85 °C                                                                         |
| Vibration resistance                   | 10 gn (f= 10...150 Hz) conforming to IEC 60068-2-6                                  |
| Shock resistance                       | 30 gn for 11 ms conforming to IEC 60068-2-27                                        |
| Maximum sensitivity to magnetic fields | 0.3 mT                                                                              |
| Electrical shock protection class      | Class II conforming to IEC 61140                                                    |
| IP degree of protection                | IP66 conforming to IEC 60529<br>IP67 conforming to IEC 60529                        |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 4.600 cm  |
| Package 1 Width              | 20.000 cm |
| Package 1 Length             | 20.600 cm |
| Package 1 Weight             | 613.000 g |
| Unit Type of Package 2       | S02       |
| Number of Units in Package 2 | 8         |
| Package 2 Height             | 15 cm     |
| Package 2 Width              | 30 cm     |
| Package 2 Length             | 40 cm     |
| Package 2 Weight             | 5.180 kg  |

## Offer Sustainability

|                                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Toxic heavy metal free                     | Yes                                                                                                                                                                                                                                                                                                                                                                               |
| California proposition 65                  | WARNING: This product can expose you to chemicals including: 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. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| For all Reach Rohs enquiries contact us at | <a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>                                                                                                                                                                                                                                                                                                    |

## Contractual warranty

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