



Main

| | |
|--------------------------------|-----------------------------------|
| Range of product | Telemecanique Safety switches XCS |
| Product or component type | Coded magnetic switch |
| Component name | XCSDMC |
| Design | Rectangular, compact |
| Size | 51 x 16 x 7 mm |
| Contacts type and composition | 1 NC + 1 NO |
| Contact operation | Staggered |
| Material | Plastic |
| Electrical connection | Pre-cabled |
| Cable composition | 4 x 0.25 mm ² |
| Cable length | 5 m |
| Number of poles | 2 |
| Approach directions | 3 directions |
| [Ue] rated operational voltage | 24 V DC |
| [Ui] rated insulation voltage | 100 V DC |

Complementary

| | |
|---|--|
| [Sa] assured operating distance | 5 mm |
| [Sar] assured tripping distance | 15 mm |
| Maximum [le] rated operational current | 100 mA |
| [Uiimp] 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 Can reach PL = e with the appropriate monitoring system and correctly wired conforming to ISO 13849-1 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 | 7 mm |
| Height | 51 mm |
| Width | 16 mm |
| Net weight | 0.101 kg |

Environment

| | |
|--|---|
| Standards | ISO 14119 ISO 12100 IEC 60947-5-1 CSA C22.2 No 14 IEC 60204-1 UL 508 |
| Product certifications | UL[RETURN]CSA |
| 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 IP67 conforming to IEC 60529 |

Packing Units

| | |
|------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 4.200 cm |
| Package 1 Width | 19.400 cm |
| Package 1 Length | 19.100 cm |
| Package 1 Weight | 210.000 g |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 15 |
| Package 2 Height | 15.000 cm |
| Package 2 Width | 30.000 cm |
| Package 2 Length | 40.000 cm |
| Package 2 Weight | 3.666 kg |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 240 |
| Package 3 Height | 77.000 cm |
| Package 3 Width | 80.000 cm |
| Package 3 Length | 60.000 cm |
| Package 3 Weight | 67.156 kg |

Offer Sustainability

| | |
|--|---|
| Toxic heavy metal free | Yes |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Diisobutyl 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 www.P65Warnings.ca.gov |
| For all Reach RoHS enquiries contact us at | sustainability@tesensors.com |

Contractual warranty

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