

# Product data sheet

## Characteristics

# XCSMP59L2

Safety switch, Telemecanique Safety switches XCS, plastic XCSMP, 1 NC + 1 NO, slow break, pre cabled 2 m

Product availability: Non-Stock - Not normally stocked in distribution facility

Price\*: 93.00 USD



## Main

|                               |                                   |
|-------------------------------|-----------------------------------|
| Range of Product              | Telemecanique Safety switches XCS |
| Product or Component Type     | Safety switch                     |
| Component name                | XCSMP                             |
| Design                        | Miniature                         |
| Material                      | Plastic                           |
| Head type                     | Key operated fixed head           |
| Contacts type and composition | 1 NC + 1 NO                       |
| Contact operation             | Slow-break, break before make     |
| Electrical connection         | Pre-cabled                        |
| Number of poles               | 2                                 |
| Locking options description   | Without locking of actuator       |

## Complementary

|                                              |                                                                                                                                                                                     |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Insulation                                   | Double insulated                                                                                                                                                                    |
| Cable length                                 | 6.56 Ft (2 m)                                                                                                                                                                       |
| Cable composition                            | 4 x 0.5 mm <sup>2</sup>                                                                                                                                                             |
| Positive opening                             | With NC contact                                                                                                                                                                     |
| Mechanical durability                        | 1000000 Cycles                                                                                                                                                                      |
| Minimum actuation speed                      | 0.16 Ft/S (0.05 m/s)                                                                                                                                                                |
| Maximum actuation speed                      | 4.92 Ft/S (1.5 m/s)                                                                                                                                                                 |
| [Ie] rated operational current               | 0.55 A 125 V, DC-13, Q300 EN/IEC 60947-5-1<br>0.27 A 250 V, DC-13, Q300 EN/IEC 60947-5-1<br>0.75 A 240 V, AC-15, C300 EN/IEC 60947-5-1<br>1.5 A 120 V, AC-15, C300 EN/IEC 60947-5-1 |
| [Ithe] conventional enclosed thermal current | 2.5 A                                                                                                                                                                               |
| [Ui] rated insulation voltage                | 300 VUL 508<br>500 VEN/IEC 60947-1<br>300 VCSA C22.2 No 14                                                                                                                          |
| [Uimp] rated impulse withstand voltage       | 6 KV EN/IEC 60947-5-1                                                                                                                                                               |
| Short-circuit protection                     | 10 A cartridge fuse gG (gl)                                                                                                                                                         |
| Actuator forcible withdrawal rtc             | 8 N                                                                                                                                                                                 |

|                                       |                                                                                                                                                                                                                                                                                         |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Minimum actuator force for extraction | 8 N                                                                                                                                                                                                                                                                                     |
| Maximum operating rate                | 20 Cyc/Mn for maximum durability                                                                                                                                                                                                                                                        |
| Safety level                          | Can reach category 4 with the appropriate monitoring system and correctly-wired EN/ISO 13849-1<br>Can reach PL = e with the appropriate monitoring system and correctly-wired EN/ISO 13849-1<br>Can reach SIL 3 with the appropriate monitoring system and correctly-wired EN/IEC 61508 |
| Safety reliability data               | B10d = 5000000 value given for a life time of 20 years limited by mechanical or contact wear                                                                                                                                                                                            |
| Body Material                         | PA (polyamide)                                                                                                                                                                                                                                                                          |
| Head material                         | PA (polyamide)                                                                                                                                                                                                                                                                          |
| Maximum Depth                         | 1.18 In (30 mm)                                                                                                                                                                                                                                                                         |
| Maximum Height                        | 3.43 In (87 mm)                                                                                                                                                                                                                                                                         |
| Maximum Width                         | 0.59 In (15 mm)                                                                                                                                                                                                                                                                         |
| Net Weight                            | 0.24 Lb(US) (0.11 kg)                                                                                                                                                                                                                                                                   |

## Environment

|                                       |                                                                                                      |
|---------------------------------------|------------------------------------------------------------------------------------------------------|
| Standards                             | EN 1088/ISO 14119<br>EN/IEC 60204-1<br>CSA C22.2 No 14<br>UL 508<br>EN/IEC 60947-5-1<br>EN/ISO 12100 |
| Product Certifications                | CSA<br>UL<br>CUL                                                                                     |
| Protective treatment                  | TC                                                                                                   |
| Ambient Air Temperature for Operation | -13...158 °F (-25...70 °C)                                                                           |
| Ambient Air Temperature for Storage   | -13...176 °F (-25...80 °C)                                                                           |
| Vibration resistance                  | 6 gn 10...55 Hz)IEC 60068-2-6                                                                        |
| Shock resistance                      | 50 gn 11 ms IEC 60068-2-27                                                                           |
| Electrical shock protection class     | Class II EN/IEC 61140                                                                                |
| IP degree of protection               | IP67 conforming to EN/IEC 60529 and EN/IEC 60947-5-1                                                 |

## Ordering and shipping details

|                       |                                 |
|-----------------------|---------------------------------|
| Category              | 22411 - LIMIT SWITCHES,IEC,XCKJ |
| Discount Schedule     | T                               |
| GTIN                  | 03389110107166                  |
| Nbr. of units in pkg. | 1                               |
| Package weight(Lbs)   | 7.76 Oz (220 g)                 |
| Returnability         | No                              |
| Country of origin     | JP                              |

## Packing Units

|                        |                   |
|------------------------|-------------------|
| Unit Type of Package 1 | PCE               |
| Package 1 Height       | 0.79 In (2 cm)    |
| Package 1 width        | 8.27 In (21 cm)   |
| Package 1 Length       | 8.07 In (20.5 cm) |

## Offer Sustainability

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

## Contractual warranty

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

|                       |                |
|-----------------------|----------------|
| Product Life Status : | Commercialised |
|-----------------------|----------------|