

Limit switch, Limit switches XC Standard,  
XCMD, metal end plunger, 2NC, snap, 1 m



**Main**

|                               |  |
|-------------------------------|--|
| Range of product              | Telemecanique Limit switches XC Standard |
| Series name                   | Standard format                          |
| Product or component type     | Limit switch                             |
| Device short name             | XCMD                                     |
| Sensor design                 | Miniature                                |
| Body type                     | Fixed                                    |
| Head type                     | Plunger head                             |
| Material                      | Metal                                    |
| Body material                 | Zamak                                    |
| Head material                 | Zamak                                    |
| Movement of operating head    | Linear                                   |
| Type of operator              | Spring return plunger metal              |
| Type of approach              | Vertical approach, 1 direction           |
| Number of poles               | 2  |
| Contacts type and composition | 1 NC + 1 NC                              |
| Contact operation             | Snap action                              |

**Complementary**

|   |  |
|---|--|
| Switch actuation                        | On end   |
| Electrical connection                   | Removable cable connector  |
| Cable length                            | 1 m  |
| Cable composition                       | 5 x 0.75 mm <sup>2</sup>   |
| Wire insulation material                | PvR  |
| Contacts insulation form                | Zb   |
| Positive opening                        | With   |
| Minimum actuation speed                 | 6 m/min  |
| Maximum actuation speed                 | 0.5 m/s  |
| Contact code designation                | R300, DC-13 (Ue = 250 V), Ie = 0.1 A conforming to IEC 60947-5-1 appendix A<br>C300, AC-15 (Ue = 240 V), Ie = 0.75 A conforming to IEC 60947-5-1 appendix A  |
| [Ui] rated insulation voltage           | 300 V (pollution degree 3) conforming to UL 508<br>400 V (pollution degree 3) conforming to IEC 60947-5-1<br>300 V (pollution degree 3) conforming to CSA C22.2 No 14  |
| Maximum resistance across terminals     | 25 mOhm conforming to IEC 60255-7 category 3   |
| [Uiimp] rated impulse withstand voltage | 4 kV conforming to IEC 60664<br>4 kV conforming to IEC 60947-1   |
| Short-circuit protection                | 6 A cartridge fuse, type gG  |
| Electrical durability                   | 5000000 Cycles, DC-13, 120 V, 1 W, operating rate <60 cyc/mn, load factor: 0.5<br>conforming to IEC 60947-5-1 appendix C<br>5000000 Cycles, DC-13, 24 V, 3 W, operating rate <60 cyc/mn, load factor: 0.5<br>conforming to IEC 60947-5-1 appendix C<br>5000000 cycles, DC-13, 48 V, 2 W, operating rate <60 cyc/mn, load factor: 0.5<br>conforming to IEC 60947-5-1 appendix C |
| Mechanical durability                   | 10000000 cycles  |
| Width                                   | 30 mm  |
| Height                                  | 50 mm  |
| Depth                                   | 16 mm  |
| Net weight                              | 0.22 kg  |

## Environment

|                                       |  |
|---------------------------------------|--|
| Shock resistance                      | 25 gn for 18 ms conforming to IEC 60068-2-27   |
| Vibration resistance                  | 5 gn (f= 10...500 Hz) conforming to IEC 60068-2-6  |
| IP degree of protection               | IP66 conforming to IEC 60529<br>IP67 conforming to IEC 60529<br>IP68 conforming to IEC 60529 |
| IK degree of protection               | IK06 conforming to IEC 62262   |
| Overvoltage category                  | Class I conforming to IEC 61140<br>Class I conforming to NF C 20-030                         |
| Ambient air temperature for operation | -25...70 °C  |
| Ambient air temperature for storage   | -40...70 °C  |
| Protective treatment                  | TC   |
| Product certifications                | CCC[RETURN]UL[RETURN]CSA   |
| Standards                             | UL 508<br>IEC 60947-5-1<br>CSA C22.2 No 14<br>IEC 60204-1                                    |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 2.54 cm   |
| Package 1 Width              | 19.812 cm |
| Package 1 Length             | 24.892 cm |
| Package 1 Weight             | 167.829 g |

## Offer Sustainability

|  |   |
|--|---|
| 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 <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>  |