

# XCMD2106L1

Limit switch, Limit switches XC Standard, XCMD, cat's whisker, 1NC+1 NO, 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                     | Multi-directional head                   |
| Material                      | Metal                                    |
| Body Material                 | Zamak                                    |
| Head material                 | Zamak                                    |
| Fixing Mode                   | By the body                              |
| Movement of operating head    | Multi-directional                        |
| Type of operator              | Spring return cat's whisker              |
| Type of approach              | Multi-directional approach               |
| Number of poles               | 2  |
| Contacts type and composition | 1 NC + 1 NO                              |
| Contact operation             | Snap action                              |

## Complementary

|  |  |
|--|--|
| Switch actuation                       | By any moving part   |
| Electrical connection                  | Removable cable connector  |
| Cable length                           | 3.3 ft (1 m)   |
| Cable composition                      | 5 x 0.75 mm <sup>2</sup>   |
| Wire insulation material               | PvR  |
| Contacts insulation form               | Zb   |
| Positive opening                       | Without  |
| Minimum force for tripping             | 0.1 N  |
| Maximum actuation speed                | 3.3 ft/s (1 m/s)   |
| Contact code designation               | B300, AC-15 (U <sub>e</sub> = 240 V), I <sub>e</sub> = 1.5 A IEC 60947-5-1 appendix A<br>R300, DC-13 (U <sub>e</sub> = 250 V), I <sub>e</sub> = 0.1 A IEC 60947-5-1 appendix A   |
| [Ui] rated insulation voltage          | 300 V 3)UL 508<br>400 V 3)IEC 60947-5-1<br>300 V 3)CSA C22.2 No 14   |
| Maximum resistance across terminals    | 25 mOhm IEC 60255-7 category 3   |
| [Uimp] rated impulse withstand voltage | 4 KV IEC 60664<br>4 kV IEC 60947-1   |
| Short-circuit protection               | 6 A cartridge fuse gG  |
| Electrical durability                  | 5000000 Cycles, DC-13, 120 V, 1 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C<br>5000000 Cycles, DC-13, 24 V, 3 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C<br>5000000 cycles, DC-13, 48 V, 2 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C |
| Mechanical durability                  | 5000000 cycles   |
| Width                                  | 1.2 in (30 mm)   |
| Height                                 | 2.0 in (50 mm)   |
| Depth                                  | 0.6 in (16 mm)   |
| Net Weight                             | 0.40 lb(US) (0.18 kg)  |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance 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 TWSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

|                                       |  |
|---------------------------------------|--|
| Shock resistance                      | 25 gn 18 ms 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 | -13...158 °F (-25...70 °C)   |
| Ambient Air Temperature for Storage   | -40...158 °F (-40...70 °C)   |
| Protective treatment                  | TC   |
| Product Certifications                | CSA[RETURN]CCC[RETURN]UL   |
| Standards                             | CSA C22.2 No 14<br>IEC 60204-1<br>IEC 60947-5-1<br>UL 508                                    |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US1000T22413  |
| Discount Schedule | 000T          |
| GTIN              | 3389110220049 |
| Returnability     | Yes           |

## Packing Units

|                              |                          |
|------------------------------|--------------------------|
| Unit Type of Package 1       | PCE                      |
| Number of Units in Package 1 | 1                        |
| Package 1 Height             | 0.63 in (1.6 cm)         |
| Package 1 Width              | 6.10 in (15.5 cm)        |
| Package 1 Length             | 7.28 in (18.5 cm)        |
| Package 1 Weight             | 6.07 oz (172.0 g)        |
| Unit Type of Package 2       | S02                      |
| Number of Units in Package 2 | 30                       |
| Package 2 Height             | 5.91 in (15.0 cm)        |
| Package 2 Width              | 11.81 in (30.0 cm)       |
| Package 2 Length             | 15.75 in (40.0 cm)       |
| Package 2 Weight             | 12.209 lb(US) (5.538 kg) |

## Offer Sustainability

|  |   |
|--|---|
| Packaging without single use plastic       | No  |
| Packaging made with recycled cardboard     | No  |
| SCIP Number                                | C7ab7b2b-7016-4cde-a940-b96f3375503e  |
| 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> |
| Take-back                                  | No  |
| For all Reach Rohs enquiries contact us at | <a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>  |

## Contractual warranty

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