

# XCMD6106L1

Limit switch, Limit switches XC Standard, met  
ncno gold contact



## 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 wire whisker metal             |
| Type of approach              | Lateral approach, multi-directional approach |
| Number of poles               | 2                                            |
| Contacts type and composition | 1 NC + 1 NO                                  |
| Contact operation             | Snap action                                  |

## Complementary

|                                        |                                                                                                                                                                                                                                |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Switch actuation                       | On end                                                                                                                                                                                                                         |
| Electrical connection                  | Removable cable connector                                                                                                                                                                                                      |
| Cable length                           | 3.28 ft (1 m)                                                                                                                                                                                                                  |
| Wire insulation material               | PvR                                                                                                                                                                                                                            |
| Contacts insulation form               | Zb                                                                                                                                                                                                                             |
| Positive opening                       | With                                                                                                                                                                                                                           |
| Positive opening minimum force         | 35 N                                                                                                                                                                                                                           |
| Minimum force for tripping             | 8.5 N                                                                                                                                                                                                                          |
| Minimum actuation speed                | 0.01 m/min                                                                                                                                                                                                                     |
| Maximum actuation speed                | 1.64 ft/s (0.5 m/s)                                                                                                                                                                                                            |
| Contact code designation               | B300, AC-15 (Ue = 240 V), Ie = 1.5 A EN/IEC 60947-5-1 appendix A<br>R300, DC-13 (Ue = 250 V), Ie = 0.1 A EN/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                  | 10000000 cycles                                                                                                                                                                                                                |
| Width                                  | 1.18 in (30 mm)                                                                                                                                                                                                                |
| Height                                 | 1.97 in (50 mm)                                                                                                                                                                                                                |
| Depth                                  | 0.63 in (16 mm)                                                                                                                                                                                                                |
| Net Weight                             | 0.41 lb(US) (0.185 kg)                                                                                                                                                                                                         |

## Environment

|                                       |                                                                                              |
|---------------------------------------|----------------------------------------------------------------------------------------------|
| Shock resistance                      | 25 gn 18 ms IEC 60068-2-27                                                                   |
| Vibration resistance                  | 5 gn 10...500 Hz)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 EN 62262                                                                                |
| Overvoltage category                  | Class I IEC 61140<br>Class I 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                | CCC<br>UL<br>CSA                                                                             |
| Standards                             | CSA C22.2 No 14<br>UL 508<br>EN/IEC 60204-1<br>EN/IEC 60947-5-1                              |

## Ordering and shipping details

|                   |                                    |
|-------------------|------------------------------------|
| Category          | 22413-LIMIT SWITCH, IEC, MINIATURE |
| Discount Schedule | T                                  |
| GTIN              | 3389119609005                      |
| Returnability     | No                                 |
| Country of origin | ID                                 |

## 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) |

## 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 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> |
| 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>                                                                                                                                                                                              |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                                                                                                               |
| RoHS exemption information |  <a href="#">Yes</a>                                                                                                                                                                                                                                                                           |

## Contractual warranty

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

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