

# Product data sheet

# XCMD2106L1

Limit switch XCMD, cat whisker, 1NC+1NO, snap action, 1 m cable

## Main

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| 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 |
| Device presentation | Complete product |
| ETIM classification | ETIM 9 - EC000030 - End switch |
| 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 |
| Switch actuation | By any moving part |
| Type of approach | Multi-directional approach |
| Number of poles | 2 |
| Product certifications | CCC<br>CSA<br>UL |
| Standards | CSA C22.2 No 14<br>IEC 60204-1<br>IEC 60947-5-1<br>UL 508 |
| Indivisible sale quantity | 1 |

## Complementary

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| Mechanical durability | 5000000 cycles |
| Minimum force for tripping | 0.1 N |
| Maximum actuation speed | 1 m/s |

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.
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| Contact code designation | B300, AC-15 (Ue = 240 V), Ie = 1.5 A conforming to IEC 60947-5-1 appendix A, R300, DC-13 (Ue = 250 V), Ie = 0.1 A conforming to IEC 60947-5-1 appendix A |
| Electrical durability | 5000000 cycles, DC-13, 120 V, 1 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C, 5000000 cycles, DC-13, 24 V, 3 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C, 5000000 cycles, DC-13, 48 V, 2 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C |
| Electrical connection | Removable cable connector |
| Cable length | 1 m |
| Cable composition | 5 x 0.75 mm² |
| Wire insulation material | PvR |
| Positive opening | Without |
| Contacts insulation form | Zb |
| Contacts type and composition | 1 NC + 1 NO |
| Contact operation | Snap action |
| [Uimp] rated impulse withstand voltage | 4 kV conforming to IEC 60664, 4 kV conforming to IEC 60947-1 |
| [Ui] rated insulation voltage | 300 V (pollution degree 3) conforming to UL 508, 400 V (pollution degree 3) conforming to IEC 60947-5-1, 300 V (pollution degree 3) conforming to CSA C22.2 No 14 |
| Overvoltage category | Class I conforming to IEC 61140, class I conforming to NF C 20-030 |
| Resistance across terminals | 25 mOhm conforming to IEC 60255-7 category 3 |
| Short-circuit protection | 6 A cartridge fuse, type gG |
| Width | 30 mm |
| Depth | 16 mm |
| Product weight | 0.18 kg |

## Environment

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| IK degree of protection | IK06 conforming to IEC 62262 |
| IP degree of protection | IP66 conforming to IEC 60529, IP67 conforming to IEC 60529, IP68 conforming to IEC 60529 |
| Ambient air temperature for operation | -25…70 °C |
| Ambient air temperature for storage | -40…70 °C |
| 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 |
| Protective treatment | TC |

## Offer Sustainability

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| 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 www.P65Warnings.ca.gov |

## Warranty

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| Warranty | 18 months |

## Packing Units

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| Country of origin | ID (Indonesia) |
| Unit type of package 1 | PCE |
| Number of units in package 1 | 1 |
| New Package 1 GTIN-13 | 3666916093177 |
| Package 1 height | 1.6 cm |
| Package 1 width | 15.5 cm |
| Package 1 length | 18.5 cm |
| Package 1 weight | 0.18 kg |
| Unit type of package 2 | S02 |
| Number of units in package 2 | 30 |
| New Package 2 GTIN 14 | 13666916093174 |
| Package 2 height | 15 cm |
| Package 2 width | 30 cm |
| Package 2 length | 40 cm |
| Package 2 weight | 5.615 kg |
| Unit type of package 3 | S03 |
| Number of units in package 3 | 60 |
| New Package 3 GTIN 14 | 23666916093171 |
| Package 3 height | 30 cm |
| Package 3 width | 30 cm |
| Package 3 length | 40 cm |