

Product datasheet

Specifications



limit switch XCMD - steel roller plunger - 1NC+1NO - snap - 2 m

XCMD2102L2

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 |
| Body type | Fixed |
| Head type | Plunger head |
| Material | Metal |
| Body material | Zamak |
| Head material | Zamak |
| Fixing mode | By the body |
| Movement of operating head | Linear |
| Type of operator | Spring return roller plunger metal |
| Type of approach | Lateral approach, 2 directions |
| Number of poles | 2 |
| Contacts type and composition | 1 NC + 1 NO |
| Contact operation | Snap action |

Complementary

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|--------------------------------|---------------------------|
| Switch actuation | By 30° cam |
| Electrical connection | Removable cable connector |
| Cable length | 2 m |
| Cable composition | 5 x 0.75 mm ² |
| Wire insulation material | PvR |
| Contacts insulation form | Zb |
| Positive opening | With |
| Positive opening minimum force | 35 N |
| Minimum force for tripping | 7 N |
| Maximum actuation speed | 0.5 m/s |

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| [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 |
| Maximum resistance across terminals | 25 mOhm conforming to IEC 60255-7 category 3 |
| [Uimp] rated impulse withstand voltage | 4 kV conforming to IEC 60664 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 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 |
| Mechanical durability | 10000000 cycles |
| Width | 30 mm |
| Height | 50 mm |
| Depth | 16 mm |
| Net weight | 0.185 kg |

Environment

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| 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 IP67 conforming to IEC 60529 IP68 conforming to IEC 60529 |
| IK degree of protection | IK06 conforming to EN 50102 |
| Overvoltage category | Class I conforming to IEC 61140 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 | TH |
| Product certifications | CCC UL CSA |
| Standards | EN/IEC 60947-5-1 EN/IEC 60204-1 UL 508 CSA C22.2 No 14 |

Packing Units

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| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 3.0 cm |
| Package 1 Width | 12.5 cm |
| Package 1 Length | 12.5 cm |
| Package 1 Weight | 252.0 g |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 40 |
| Package 2 Height | 30.0 cm |
| Package 2 Width | 30.0 cm |

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| Package 2 Length | 40.0 cm |
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| Package 2 Weight | 10.716 kg |
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Offer Sustainability

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| Sustainable offer status | Green Premium product |
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| REACH Regulation | REACH Declaration |
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| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
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| Mercury free | Yes |
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| RoHS exemption information | Yes |
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| Environmental Disclosure | Product Environmental Profile |
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| Circularity Profile | End of Life Information |
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Recommended replacement(s)