

Product data sheet

Characteristics

XCMD2110L3TQ

Limit switch, Limit switches XC Standard, XCMD, metal end plunger, 1NC+1 NO, snap, 3 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 |
| Fixing mode | By the body |
| 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 NO |
| Contact operation | Snap action |
| Sale per indivisible quantity | 30 |

Complementary

| | |
|--|---|
| Switch actuation | On end |
| Electrical connection | Removable cable connector |
| Cable length | 3 m |
| Cable composition | 5 x 0.75 mm ² |
| Wire insulation material | PvR |
| Contacts insulation form | Zb |
| Positive opening | With |
| Positive opening minimum force | 42.5 N |
| Minimum force for tripping | 8.5 N |
| Minimum actuation speed | 0.01 m/min |
| Maximum actuation speed | 0.5 m/s |
| Contact code designation | B300, AC-15 (Ue = 240 V), Ie = 1.5 A conforming to EN/IEC 60947-5-1 appendix A R300, DC-13 (Ue = 250 V), Ie = 0.1 A conforming to EN/IEC 60947-5-1 appendix A |
| [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 |
| [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 |



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 IP67 conforming to IEC 60529 IP68 conforming to IEC 60529 |
| IK degree of protection | IK06 conforming to EN 62262 |
| Overvoltage category | Class I |
| Ambient air temperature for operation | -25...70 °C |
| Product certifications | UL[RETURN]CSA |
| Standards | UL 508 CSA C22.2 No 14 IEC 60947-5-1 EN 60947-5-1 |

Packing Units

| | |
|------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 3.0 cm |
| Package 1 Width | 16.5 cm |
| Package 1 Length | 18.0 cm |
| Package 1 Weight | 323.0 g |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 30 |
| Package 2 Height | 30.0 cm |
| Package 2 Width | 30.0 cm |
| Package 2 Length | 40.0 cm |
| Package 2 Weight | 10.403 kg |

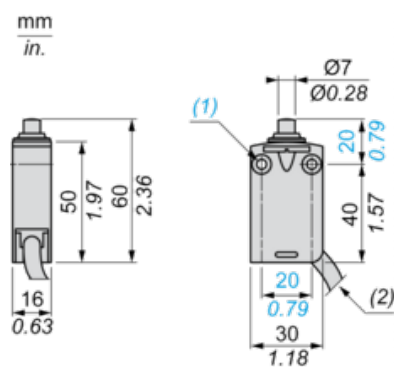
Offer Sustainability

| | |
|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| Mercury free | Yes |
| RoHS exemption information |  Yes |

Contractual warranty

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

Dimensions

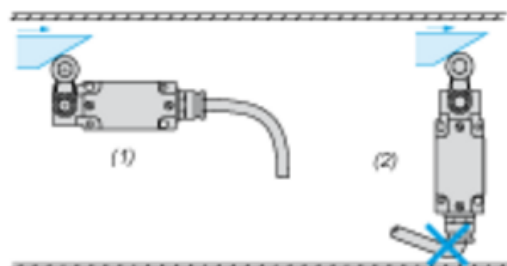


(1) 2 fixing holes Ø 4.2 mm, counterbored Ø 8 mm by 4 mm deep.

(2) External diameter of cable 7.5 mm.

Mounting

Sweep of Connecting Cable

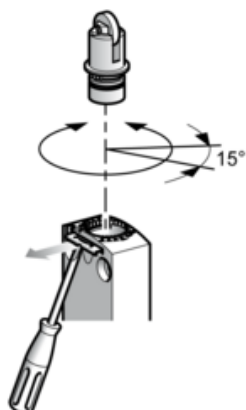


(1) Recommended

(2) To be avoided

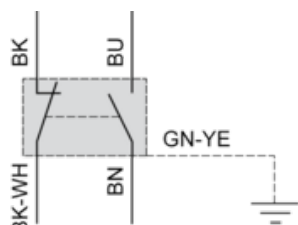
Setting-up

Plunger or Multi-directional Heads



Wiring Diagram

2-pole NC + NO Snap Action



(BK) Black

(BK-WH) Black White

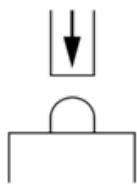
(BU) Blue

(BN) Brown

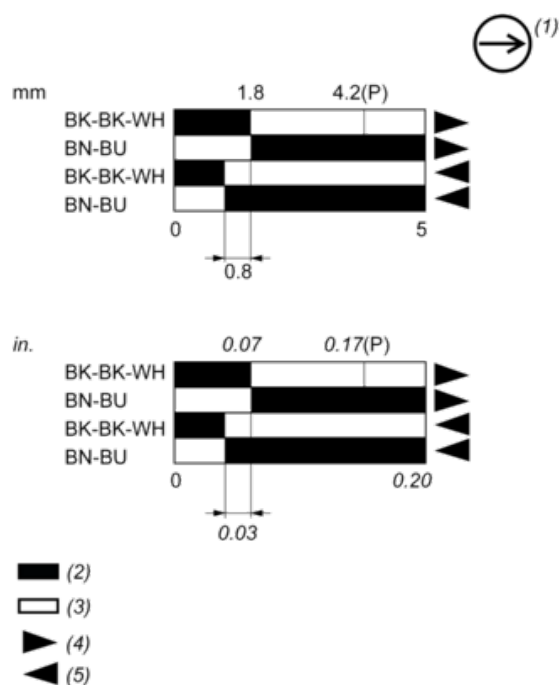
(GN-YE) Green Yellow

Characteristics of Actuation

Switch Actuation on End



Functional Diagram



(P) Positive opening point

(1) NC contact with positive opening operation

(2) Closed

(3) Open

(4) Tripping

(5) Resetting

(BK) Black

(BK-WH) Black White

(BU) Blue

(BN) Brown