

Product data sheet

Specifications



Limit switch, Limit switches XC Standard, XCMD, metal end plunger, 1NC+1 NO, snap, 1 m

XCMD2110L1

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 |

Complementary

| | |
|--------------------------------|--|
| Switch Actuation | On end |
| Electrical Connection | Removable cable connector |
| Cable Length | 1 m |
| Cable Composition | 5 x 0.75 mm² |
| 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 IEC 60947-5-1 appendix A R300, DC-13 (Ue = 250 V), Ie = 0.1 A conforming to IEC 60947-5-1 appendix A |

Disclaimer: 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

| | |
|--|---|
| [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 | 0.18 kg |

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 IEC 62262 |
| 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 | TC |
| Product Certifications | CSA UL CCC |
| Standards | UL 508 IEC 60204-1 CSA C22.2 No 14 IEC 60947-5-1 |

Packing Units

| | |
|------------------------------|----------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 2.54 cm |
| Package 1 Width | 17.78 cm |
| Package 1 Length | 17.78 cm |
| Package 1 Weight | 163.29 g |
| Unit Type Of Package 2 | S02 |
| Number Of Units In Package 2 | 30 |
| Package 2 Height | 15 cm |

| | |
|------------------|----------|
| Package 2 Width | 30 cm |
| Package 2 Length | 40 cm |
| Package 2 Weight | 5.451 kg |

Contractual warranty

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

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



RoHS/REACH

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

Certifications & Standards

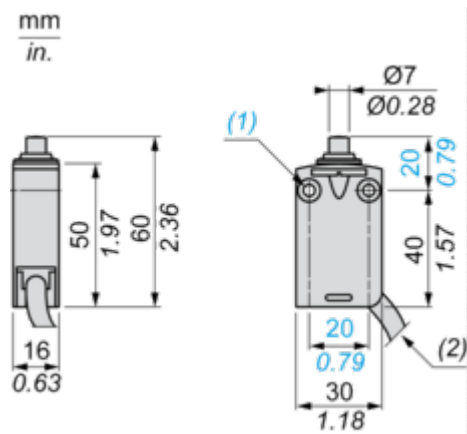
Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Pro-active compliance (Product out of EU RoHS legal scope)

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 Diisodecyl 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

Dimensions Drawings

Dimensions

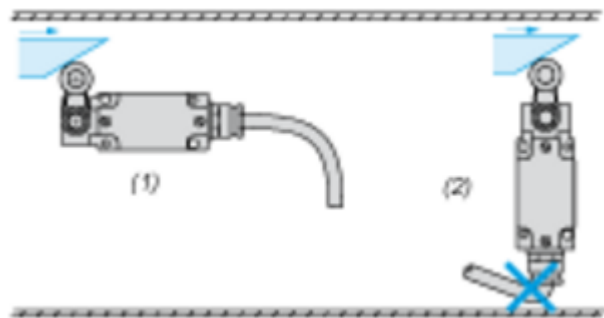


- (1) 2 fixing holes Ø 4.2 mm, counterbored Ø 8 mm by 4 mm deep.
(2) External diameter of cable 7.5 mm.

Mounting and Clearance

Mounting

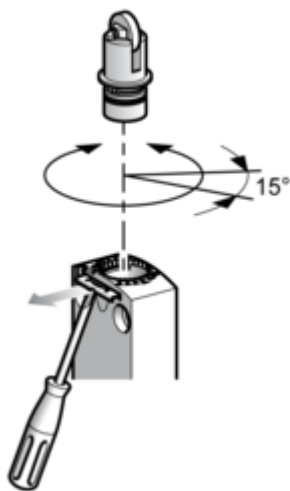
Sweep of Connecting Cable



- (1) Recommended
- (2) To be avoided

Setting-up

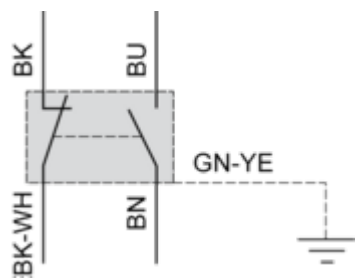
Plunger or Multi-directional Heads



Connections and Schema

Wiring Diagram

2-pole NC + NO Snap Action

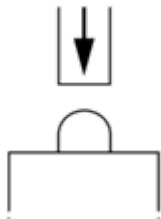


- (BK) Black
- (BK-WH) Black White
- (BU) Blue
- (BN) Brown
- (GN-YE) Green Yellow

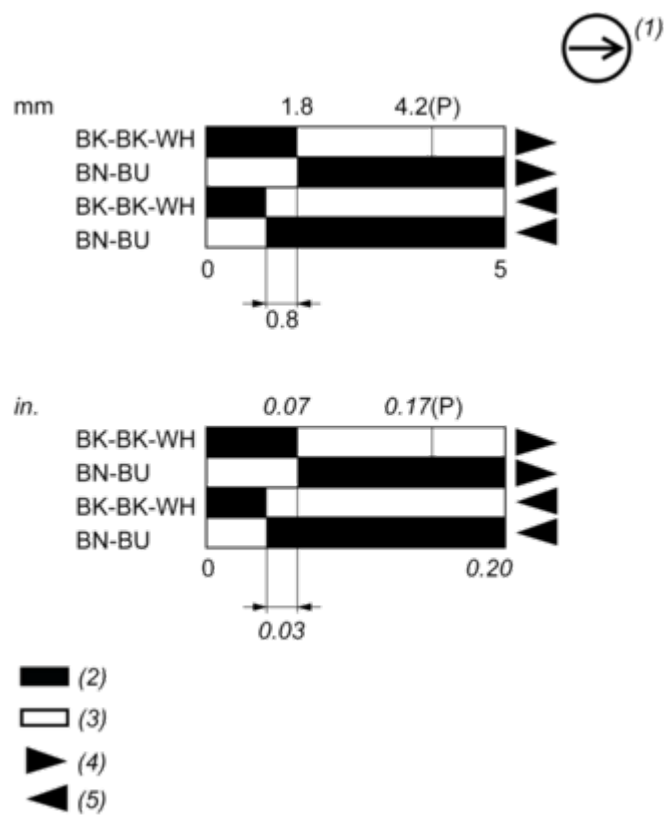
Technical Description

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