

Product data sheet

Characteristics

XCKT2110G11

Limit switch, Limit switches XC Standard, XCKT, metal end plunger, 1NC+1 NO, snap, Pg11



Main

| | |
|-------------------------------|--|
| Range of Product | Telemecanique Limit switches XC Standard |
| Series name | Standard format |
| Product or Component | Limit switch |
| Type | |
| Device short name | XCKT |
| Sensor design | Compact form B CENELEC EN 50047 |
| Body type | Fixed |
| Head type | Plunger head |
| Material | Plastic |
| Body Material | Plastic |
| 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 | Screw-clamp terminals 1 x 0.34...2 x 1.5 mm ² |
| Cable entry | 2 entries tapped for Pg 11 cable gland |
| Contacts insulation form | Zb |
| Positive opening | With |
| Positive opening minimum force | 45 N |
| Minimum force for tripping | 15 N |
| Minimum actuation speed | 0.01 m/min |
| Maximum actuation speed | 1.64 ft/s (0.5 m/s) |
| Repeat accuracy | 0.1 mm on the tripping points with 1 million operating cycles |
| Contact code designation | A300, AC-15 (Ue = 240 V), Ie = 3 A 10 A EN/IEC 60947-5-1 appendix A Q300, DC-13 (Ue = 250 V), Ie = 0.27 A EN/IEC 60947-5-1 appendix A |
| [Ui] rated insulation voltage | 300 VUL 508 500 V 3)IEC 60947-1 300 VCSA C22.2 No 14 |
| Maximum resistance across terminals | 25 MOhm IEC 60255-7 category 3 |
| [Uimp] rated impulse withstand voltage | 6 kV IEC 60664 6 kV IEC 60947-1 |
| Short-circuit protection | 10 A cartridge fuse gG |
| Electrical durability | 5000000 Cycles, DC-13, 120 V, 4 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C 5000000 Cycles, DC-13, 24 V, 10 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C 5000000 cycles, DC-13, 48 V, 7 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C |
| Mechanical durability | 15000000 cycles |
| Width | 2.28 in (58 mm) |
| Height | 2.01 in (51 mm) |
| Depth | 1.18 in (30 mm) |

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| | |
|-------------------------------|------------------------|
| Net Weight | 0.22 lb(US) (0.1 kg) |
| Terminals description ISO n°1 | (21-22)NC (13-14)NO |

Environment

| | |
|---------------------------------------|---|
| Shock resistance | 50 gn 11 ms IEC 60068-2-27 |
| Vibration resistance | 25 gn 10...500 Hz)IEC 60068-2-6 |
| IP degree of protection | IP66 conforming to IEC 60529 IP67 conforming to IEC 60529 |
| IK degree of protection | IK04 EN 50102 |
| Electrical shock protection class | Class II IEC 61140 Class II 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 | CSA CCC UL |
| Standards | EN 60204-1 UL 508 IEC 60204-1 CSA C22.2 No 14 IEC 60947-5-1 EN 60947-5-1 |

Ordering and shipping details

| | |
|-------------------|----------------------------------|
| Category | 22418-LIMIT SWITCH,IEC,XCKP&XCKT |
| Discount Schedule | T |
| GTIN | 3389110319071 |
| Returnability | No |
| Country of origin | FR |

Packing Units

| | |
|------------------------------|-------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 1.34 in (3.4 cm) |
| Package 1 Width | 2.52 in (6.4 cm) |
| Package 1 Length | 3.86 in (9.8 cm) |
| Package 1 Weight | 3.10 oz (88 g) |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 58 |
| Package 2 Height | 5.91 in (15 cm) |
| Package 2 Width | 11.81 in (30 cm) |
| Package 2 Length | 15.75 in (40 cm) |
| Package 2 Weight | 12.20 lb(US) (5.534 kg) |

Offer Sustainability

| | |
|----------------------------|---|
| Sustainable offer status | Green Premium product |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Diisobutyl 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 |
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information |  Yes |

Environmental Disclosure

 Product Environmental Profile

Circularity Profile

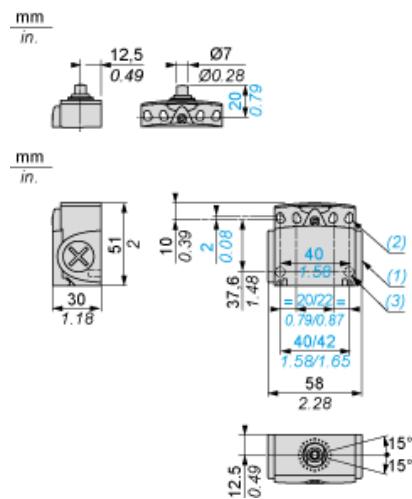
 End Of Life Information

Contractual warranty

Warranty

18 months

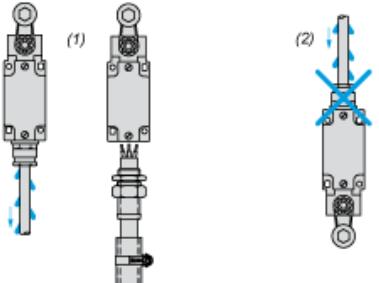
Dimensions



(1) Tapped entry for Pg 11 cable gland
(2) 4 elongated holes Ø 4.3 x 6.3 mm on 22/42mm ctrs, 4 holes Ø 4.3 on 20/40 mm ctrs.
(3) 2 x Ø 3 holes for support studs, depth 4 mm.

Mounting with Cable Entry

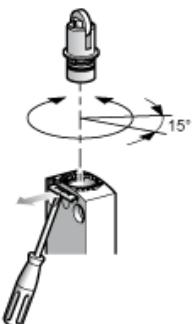
Position of Cable Gland



(1) Recommended
(2) To be avoided

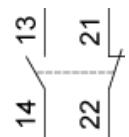
Setting-up

Plunger or Multi-directional Heads



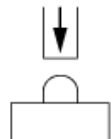
Wiring Diagram

2-pole NC + NO Snap Action

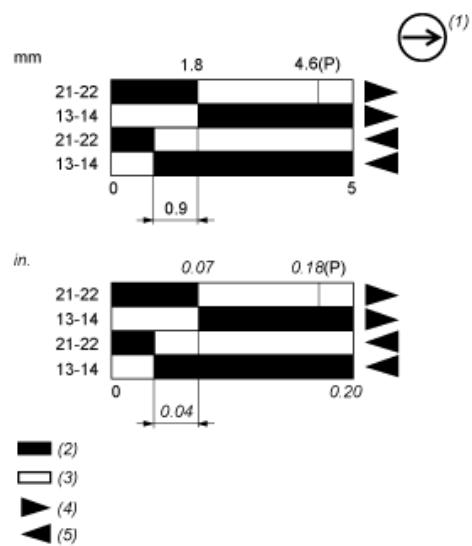


Characteristics of Actuation

Switch Actuation on End



Functionnal Diagram



(P) Positive opening point
(1) NC contact with positive opening operation
(2) Closed
(3) Open
(4) Tripping
(5) Resetting