

Product data sheet

Specifications



Limit switch, Limit switches XC Standard, XCKL, thermoplastic roller lever, 1NC+1 NO, snap, Cable gland

XCKL115

Main

| | |
|-------------------------------|--|
| Range Of Product | Telemecanique Limit switches XC Standard |
| Series Name | Standard format |
| Product Or Component Type | Limit switch |
| Device Short Name | XCKL |
| Body Type | Fixed |
| Head Type | Rotary head |
| Material | Metal |
| Body Material | Zamak |
| Fixing Mode | By the body |
| Movement Of Operating Head | Rotary |
| Type Of Operator | Spring return roller lever thermoplastic |
| Type Of Approach | Lateral approach, 2 directions |
| Cable Entry | 1 metal cable gland entry, cable outer diameter: 6...13.5 mm |
| Number Of Poles | 2 |
| Contacts Type And Composition | 1 NC + 1 NO |
| Contact Operation | Snap action |

Complementary

| | |
|--|---|
| Switch Actuation | By 30° cam |
| Electrical Connection | Screw-clamp terminals, clamping capacity: 1 x 0.34...2 x 1.5 mm ² |
| Contacts Insulation Form | Zb |
| Number Of Steps | 1 |
| Positive Opening | With |
| Positive Opening Minimum Torque | 0.25 N.m |
| Minimum Torque For Tripping | 0.1 N.m |
| Minimum Actuation Speed | 0.01 m/min |
| Maximum Actuation Speed | 1.5 m/s |
| Contact Code Designation | A300, AC-15 (U _e = 240 V), I _e = 3 A conforming to IEC 60947-5-1 appendix A Q300, DC-13 (U _e = 250 V), I _e = 0.27 A conforming to IEC 60947-5-1 appendix A |
| [I _{th}] Conventional Enclosed Thermal Current | 10 A AC |

| | |
|---|---|
| [Ui] Rated Insulation Voltage | 300 V conforming to UL 508 500 V (pollution degree 3) conforming to IEC 60947-1 300 V 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 | 6 kV conforming to IEC 60664 6 kV conforming to IEC 60947-1 |
| Short-Circuit Protection | 10 A cartridge fuse, type gG |
| Electrical Durability | 5000000 cycles, DC-13, inductive load type, 120 V, 4 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 cycles, DC-13, inductive load type, 24 V, 7 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 cycles, DC-13, inductive load type, 48 V, 10 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C |
| Mechanical Durability | 15000000 cycles |
| Width | 52 mm |
| Height | 72 mm |
| Depth | 30 mm |
| Net Weight | 0.285 kg |
| Terminals Description Iso N°1 | (21-22)NC (13-14)NO |

Environment

| | |
|--|---|
| Shock Resistance | 50 gn for 11 ms conforming to IEC 60068-2-27 |
| Vibration Resistance | 25 gn (f= 10...500 Hz) conforming to IEC 60068-2-6 |
| Ip Degree Of Protection | IP66 conforming to IEC 60529 |
| Ik Degree Of Protection | IK05 conforming to IEC 62262 |
| Electrical Shock Protection Class | 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 |
| Standards | IEC 60204-1 CSA C22.2 No 14 IEC 60947-5-1 IEC 60204-1 IEC 60947-5-1 UL 508 |

Packing Units

| | |
|-------------------------------------|-----------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 3.200 cm |
| Package 1 Width | 7.800 cm |
| Package 1 Length | 16.000 cm |
| Package 1 Weight | 306.000 g |
| Unit Type Of Package 2 | S02 |
| Number Of Units In Package 2 | 31 |

| | |
|-------------------------|-----------|
| Package 2 Height | 15.000 cm |
| Package 2 Width | 30.000 cm |
| Package 2 Length | 40.000 cm |
| Package 2 Weight | 9.778 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)

Circularity Profile

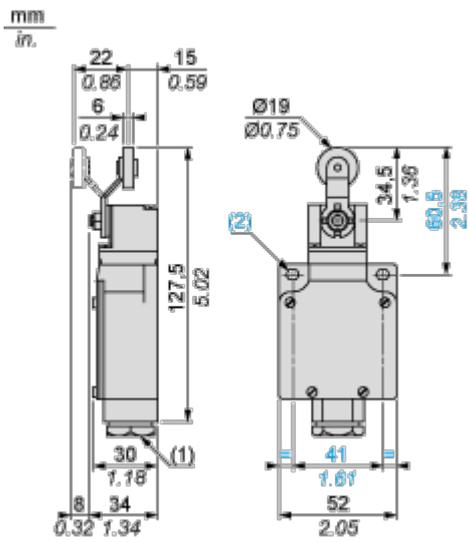
No need of specific recycling operations

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



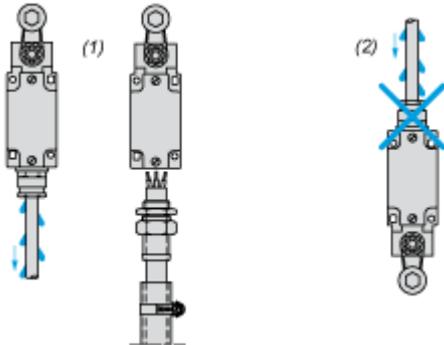
(1) Pg 13.5 cable gland

Ø: 2 elongated holes $\varnothing 5.2 \times 6.2$

Mounting and Clearance

Mounting with Cable Entry

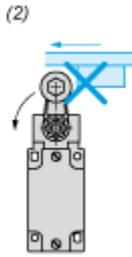
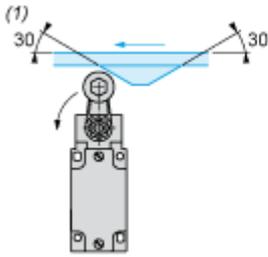
Position of Cable Gland



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

Mounting with Rotary Heads and Levers

Type of Cam



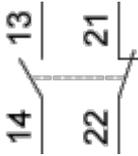
(1) Recommended

(2) To be avoided

Connections and Schema

Wiring Diagram

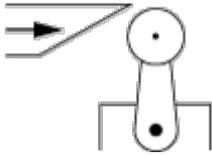
2-pole NC + NO Snap Action



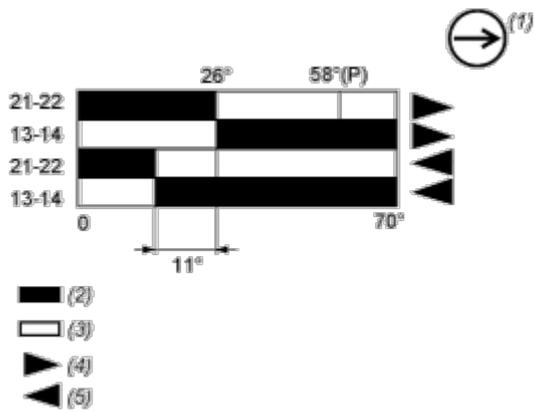
Technical Description

Characteristics of Actuation

Switch Actuation by 30° Cam



Functionnal Diagram



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