

Limit switch, XC Standard, XCKJ, metal end plunger, 1NC+1 NO, snap action, 1/2NPT

XCKJ161H7

Main

| Range Of Product | Telemecanique Limit switches XC Standard |
|-------------------------------|--|
| Series Name | Standard format |
| Product Or Component Type | Limit switch |
| Device Short Name | XCKJ |
| Sensor Design | Form B conforming to CENELEC EN 50041 |
| 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 |
| Cable Entry | 1 entry tapped for 1/2" NPT cable gland |
| 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, clamping capacity: 1 x 0.342 x 1.5 mm² |
| Contacts Insulation Form | Zb |
| Number Of Steps | 1 |
| Positive Opening | With |
| Positive Opening Minimum Force | 50 N |
| Minimum Force For Tripping | 20 N |
| Maximum Actuation Speed | 0.5 m/s |
| Repeat Accuracy | 0.1 mm on the tripping points with 1 million operating cycles |
| [le] Rated Operational Current | 3 A at 240 V, AC-15, A300 conforming to IEC 60947-5-1 appendix A 0.27 A at 250 V, DC-13, Q300 conforming to IEC 60947-5-1 appendix A |

| [Ithe] Conventional Enclosed Thermal Current | 10 A |
|--|---|
| [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, 10 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, 7 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C |
| Mechanical Durability | 30000000 cycles |
| Width | 40 mm |
| Height | 77 mm |
| Depth | 44 mm |
| Net Weight | 0.43 kg |
| Terminals Description Iso N°1 | (13-14)NO (21-22)NC |

Environment

| Shock Resistance | 50 gn for 11 ms conforming to IEC 60068-2-27 |
|---------------------------------------|---|
| Vibration Resistance | 25 gn (f= 10500 Hz) conforming to IEC 60068-2-6 |
| Ip Degree Of Protection | IP66 conforming to IEC 60529 |
| Ik Degree Of Protection | IK07 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 | -2570 °C |
| Ambient Air Temperature For Storage | -4070 °C |
| Protective Treatment | тн |
| Product Certifications | UL CSA CCC |
| Standards | CENELEC EN 50041 IEC 60204-1 IEC 60947-5-1 CSA C22.2 No 14 UL 508 IEC 60947-5-1 IEC 60204-1 |

Packing Units

| Unit Type Of Package 1 | PCE |
|------------------------------|---------|
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 3.6 cm |
| Package 1 Width | 4.2 cm |
| Package 1 Length | 11.4 cm |

Package 1 Weight 430 g

Contractual warranty

Warranty 18 months

Sustainability

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass 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

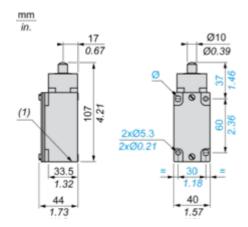
Yes

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



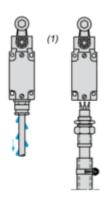
(1) 1 tapped entry 1/2" NPT

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Mounting and Clearance

Mounting with Cable Entry

Position of Cable Gland





- (1) Recommended(2) To be avoided

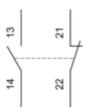
Product data sheet

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Connections and Schema

Wiring Diagram

2-pole NC + NO Snap Action



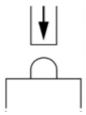
Product data sheet

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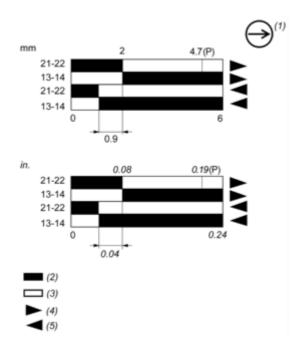
Technical Description

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