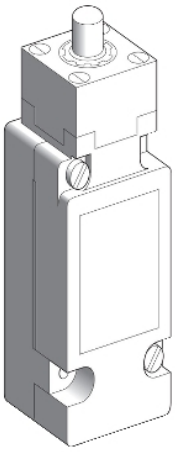
# Product data sheet
## Characteristics

# XCKJ1161H29
## Limit switch, XC Standard, XCKJ, metal end plunger, 1C/O, snap action, M20



### 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 | Plug-in body |
| 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 M20 x 1.5 cable gland, cable outer diameter: 7…13 mm |
| Number of poles | 1 |
| Contacts type and composition | 1 C/O |
| Contact operation | Snap action |

### Complementary

| | |
|---|---|
| Switch actuation | On end |
| Electrical connection | Screw-clamp terminals, clamping capacity: 1 x 0.75...2 x 1.5 mm² |
| Contacts insulation form | Za |
| Number of steps | 1 |
| Positive opening | Without |
| 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 |
| [Ie] rated operational current | 3 A at 240 V, AC-15, A300 conforming to EN/IEC 60947-5-1 appendix A<br>0.27 A at 250 V, DC-13, Q300 conforming to EN/IEC 60947-5-1 appendix A |
| [Ithe] conventional enclosed thermal current | 10 A |
| [Ui] rated insulation voltage | 300 V conforming to UL 508<br>500 V (pollution degree 3) conforming to IEC 60947-1<br>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<br>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<br>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<br>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 | 43 mm |
| Height | 84 mm |

| | |
|---|---|
| Depth | 36 mm |
| Net weight | 0.43 kg |
| Terminals description ISO n°1 | (13-14)NO<br>(11-12)NC |

## 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 | IK07 conforming to EN 50102 |
| Overvoltage category | Class I conforming to IEC 61140<br>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 | TH |
| Product certifications | CSA[RETURN]CCC[RETURN]UL |
| Standards | EN 60204-1<br>CSA C22.2 No 14<br>UL 508<br>EN 60947-5-1<br>IEC 60947-5-1<br>IEC 60204-1<br>CENELEC EN 50041 |

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 4.3 cm |
| Package 1 Width | 6.9 cm |
| Package 1 Length | 13.0 cm |
| Package 1 Weight | 470.0 g |
| Unit Type of Package 2 | S01 |
| Number of Units in Package 2 | 9 |
| Package 2 Height | 15.0 cm |
| Package 2 Width | 15.0 cm |
| Package 2 Length | 40.0 cm |
| Package 2 Weight | 4.455 kg |

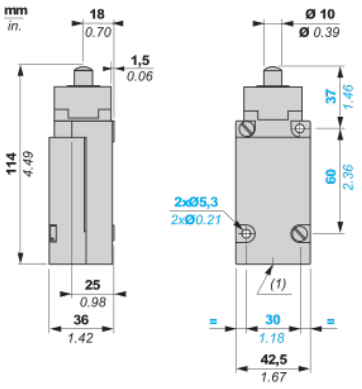
## Offer Sustainability

| | |
|---|---|
| Sustainable offer status | Green Premium product |
| 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 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 |
| For all Reach Rohs enquiries contact us at | sustainability@tesensors.com |

## Contractual warranty

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

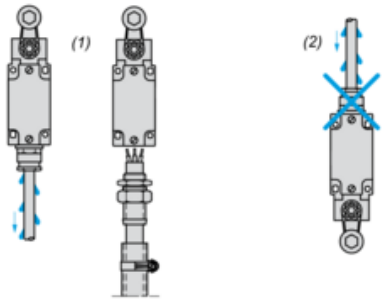
## Dimensions




(1) 1 tapped entry M20 x 1.5

## Mounting with Cable Entry

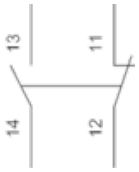
### Position of Cable Gland




(1) Recommended
(2) To be avoided

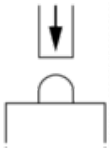
## Wiring Diagram

### Single-pole CO Snap Action

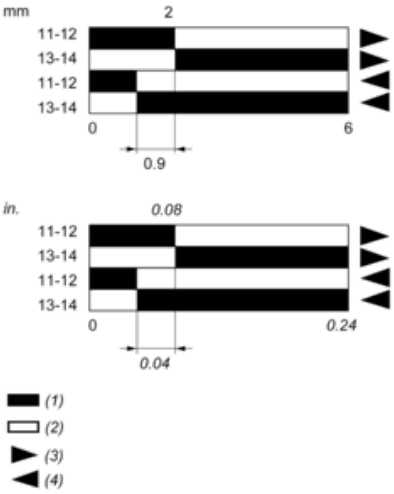


## Characteristics of Actuation

### Switch Actuation on End



## Functionnal Diagram




(1) Closed
(2) Open
(3) Tripping
(4) Resetting