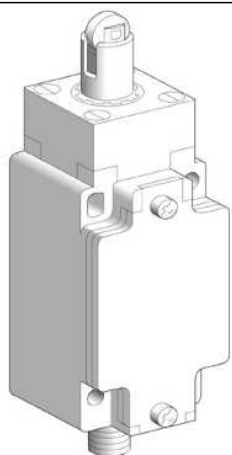


XCKJ167D

limit switch XCKJ - steel roller plunger
reinforced - 1NC+1NO - snap - M12



Main

| | |
|-------------------------------|---|
| Range of product | OsiSense XC |
| Series name | Standard format |
| Product or component type | Limit switch |
| Device short name | XCKJ |
| Sensor design | Form C 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 roller plunger metal (reinforced) |
| Type of approach | Lateral approach 2 directions |
| Number of poles | 2 |
| Contacts type and composition | 1 NC + 1 NO |
| Contacts operation | Snap action |

Complementary

| | |
|--|---|
| Switch actuation | By 30° cam |
| Electrical connection | Male connector M12, 5 pins |
| Contacts insulation form | Zb |
| Number of steps | 1 |
| Positive opening | With |
| Positive opening minimum force | 40 N |
| Minimum force for tripping | 16 N |
| Maximum actuation speed | 1 m/s |
| [Ie] rated operational current | 0.27 A at 50 V, DC-13 conforming to EN/IEC 60947-5-1 appendix A 3 A at 50 V, AC-15 conforming to EN/IEC 60947-5-1 appendix A |
| [Ithe] conventional enclosed thermal current | 4 A |
| [Ui] rated insulation voltage | 60 V degree of pollution 3 conforming to IEC 60947-1 |
| Resistance across terminals | <= 25 MOhm conforming to IEC 60255-7 category 3 |
| [Uimp] rated impulse withstand voltage | 0.8 kV conforming to IEC 60664 0.8 kV conforming to IEC 60947-1 |
| Short circuit protection | 4 A by gG cartridge fuse |
| Electrical durability | 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 | 25000000 cycles |
| Width | 40 mm |
| Height | 89 mm |
| Depth | 44 mm |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

| | |
|-------------------------------|------------------------|
| Product weight | 0.455 kg |
| Terminals description ISO n°1 | (13-14)NO (21-22)NC |

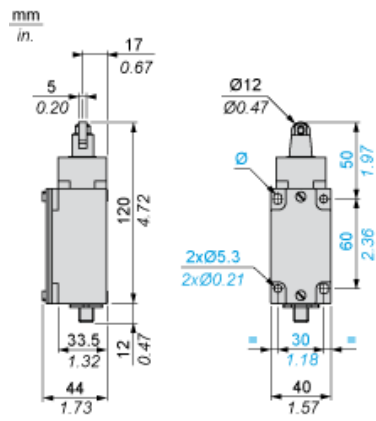
Environment

| | |
|---------------------------------------|---|
| Shock resistance | 50 gn (duration = 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 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 | CCC CSA UL |
| Standards | CENELEC EN 50041 EN 60204-1 EN 60947-5-1 IEC 60204-1 IEC 60947-5-1 UL 508 CSA C22.2 No 14 |

Offer Sustainability

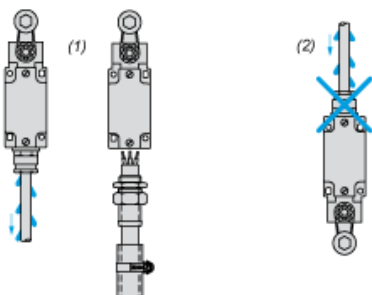
| | |
|----------------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 1022 - Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold |
| Product end of life instructions | Need no specific recycling operations |

Dimensions



Mounting with Cable Entry

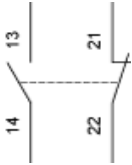
Position of Cable Gland



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

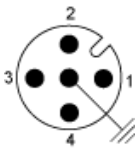
Wiring Diagram

2-pole NC + NO Snap Action



Wiring Diagram

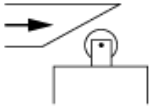
Connections



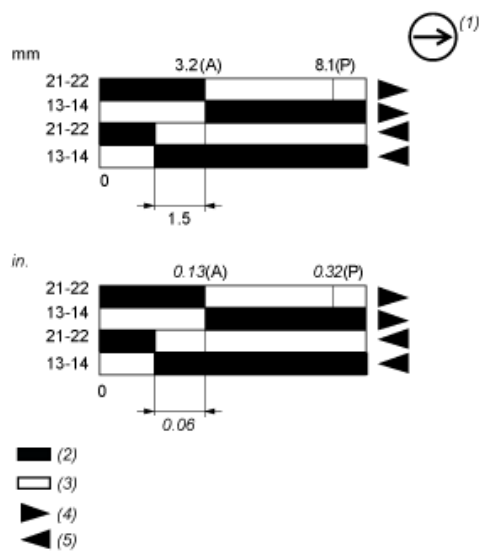
1-2 : NC
3-4 : NO

Characteristics of Actuation

Switch Actuation by 30° Cam



Functionnal Diagram



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