

XCKP2118G11

limit switch XCKP - thermoplastic roller lever -
1NC+1NO - snap - Pg11



Main

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|-------------------------------|---|
| Range of product | OsiSense XC |
| Series name | Standard format |
| Product or component type | Limit switch |
| Device short name | XCKP |
| Sensor design | Compact form A conforming to CENELEC EN 50047 |
| Body type | Fixed |
| Head type | Rotary head |
| Material | Plastic |
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| Head 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 |
| Number of poles | 2 |
| Contacts type and composition | 1 NC + 1 NO |
| Contact operation | Snap action |

Complementary

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| Tracks | 24/40 mm |
| Switch actuation | By 30° cam |
| Electrical connection | Screw-clamp terminals, clamping capacity: 1 x 0.34...2 x 1.5 mm ² |
| Cable entry | 1 entry tapped for Pg 11 cable gland |
| Contacts insulation form | Zb |
| 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/s |
| Maximum actuation speed | 1.5 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) , Ithe = 10 A conforming to EN/IEC 60947-5-1 appendix A Q300, DC-13 (Ue = 250 V, Ie = 0.27 A) conforming to EN/IEC 60947-5-1 appendix A |
| [Ui] rated insulation voltage | 300 V conforming to UL 508 500 V degree of pollution 3 conforming to IEC 60947-1 300 V conforming to CSA C22.2 No 14 |
| 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 by gG cartridge fuse |
| Electrical durability | 5000000 cycles, DC-13, 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, 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, 48 V, 7 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C |
| Mechanical durability | 10000000 cycles |
| Width | 31 mm |
| Height | 65 mm |
| Depth | 30 mm |
| Product weight | 0.135 kg |
| Terminals description ISO n°1 | (13-14)NO (21-22)NC |

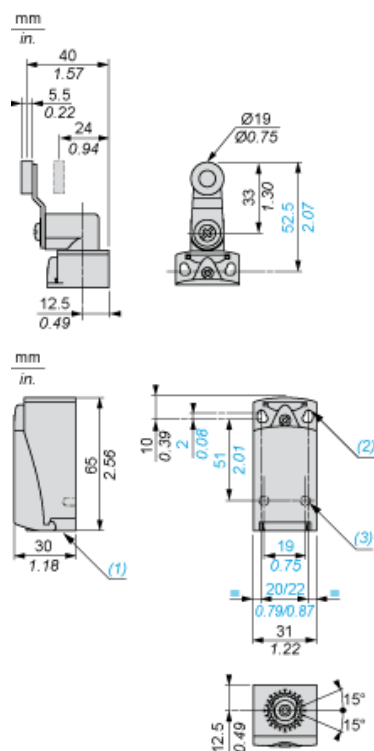
Environment

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|---------------------------------------|---|
| 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 IP67 conforming to IEC 60529 |
| IK degree of protection | IK04 conforming to EN 50102 |
| Electrical shock protection class | Class II conforming to IEC 61140 Class II 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 | EN 60204-1 EN 60947-5-1 IEC 60204-1 IEC 60947-5-1 UL 508 CSA C22.2 No 14 |

Offer Sustainability

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|--------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 1002 - Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold |

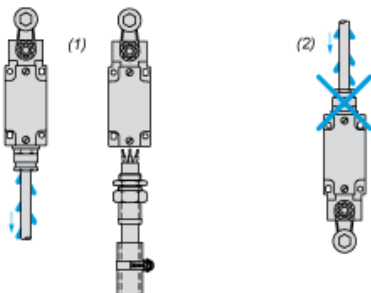
Dimensions



- (1) Tapped entry for Pg 11 cable gland
- (2) 2 elongated holes $\varnothing 4.3 \times 6.3$ mm on 22 mm centres, 2 holes $\varnothing 4.3$ on 20 mm centres.
- (3) 2 x $\varnothing 3$ holes for support studs, depth 4 mm.

Mounting with Cable Entry

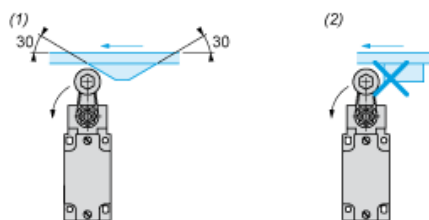
Position of Cable Gland



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

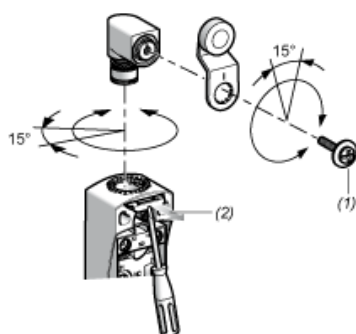
Mounting with Rotary Heads and Levers

Type of Cam



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

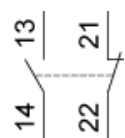
Setting-up with Head ZCE01 and ZCE09



- (1) Tightening torque (Min : 1) (Max : 1.5)
- (2) Tightening torque (Min : 0.8) (Max : 1.2)

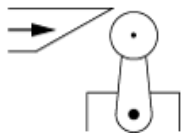
Wiring Diagram

2-pole NC + NO Snap Action



Characteristics of Actuation

Switch Actuation by 30° Cam



Functionnal Diagram

