

Main

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| Range of product | OsiSense XC |
| Series name | Standard format |
| Product or component type | Limit switch |
| Device short name | XCKL |
| Body type | Fixed |
| Head type | Plunger head |
| Material | Metal |
| Body material | Zamak |
| Fixing mode | By the body |
| Movement of operating head | Linear |
| Type of operator | Spring return roller lever plunger thermoplastic |
| Type of approach | Lateral approach, 1 direction |
| 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 | Slow-break, break before make |

Complementary

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|--------------------------------|---|
| Switch actuation | By 30° cam |
| Electrical connection | Screw-clamp terminals, clamping capacity: 1 x 0.5...2 x 2.5 mm ² |
| Contacts insulation form | Zb |
| Number of steps | 1 |
| Positive opening | With |
| Positive opening minimum force | 24 N |
| Minimum force for tripping | 8 N |
| Minimum actuation speed | 6 m/min |
| Maximum actuation speed | 1.5 m/s |

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| Contact code designation | A300, AC-15 (Ue = 240 V), Ie = 3 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 |
| [Ithe] 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 | IEC 60664 6 kV IEC 60947-1 6 kV |
| 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 | 20000000 cycles |
| Width | 52 mm |
| Height | 72 mm |
| Depth | 30 mm |
| Net weight | 0.305 kg |
| Terminals description ISO n°1 | (21-22)NC (13-14)NO |

Environment

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|---------------------------------------|---|
| Shock resistance | 50 gn for 11 ms conforming to EN/IEC 60068-2-27 |
| Vibration resistance | 25 gn (f= 10...500 Hz) conforming to EN/IEC 60068-2-6 |
| IP degree of protection | IP66 conforming to EN/IEC 60529 |
| IK degree of protection | IK05 conforming to EN 50102 |
| 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 | UL CSA |
| Standards | UL 508 IEC 60947-5-1 EN 60947-5-1 IEC 60204-1 EN 60204-1 CSA C22.2 No 14 |

Packing Units

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|------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 314 g |
| Package 1 Height | 3.3 cm |
| Package 1 width | 6.6 cm |
| Package 1 Length | 14.8 cm |

Offer Sustainability

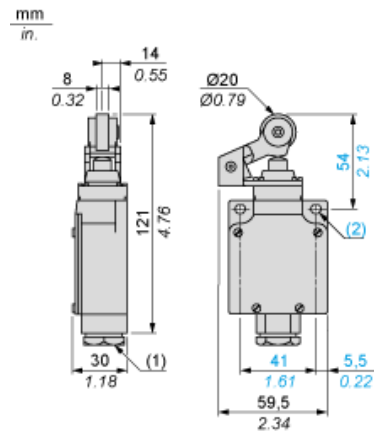
| | |
|--------------------------|---|
| Sustainable offer status | Green Premium product |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |

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| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |

Contractual warranty

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| Warranty | 18 months |
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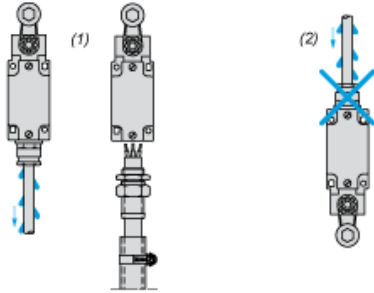
Dimensions



- (1) Pg 13.5 cable gland
- Ø : 2 elongated holes $\text{Ø} 5.2 \times 6.2$

Mounting with Cable Entry

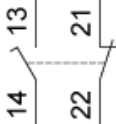
Position of Cable Gland



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

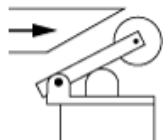
Wiring Diagram

2-pole NC + NO Break Before Make, Slow Break



Characteristics of Actuation

Switch Actuation by 30° Cam



Functionnal Diagram

