

XCKL110H7

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



Main

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| Range of Product | Telemecanique Limit switches XC Standard |
| 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 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

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| Switch actuation | On end |
| Electrical connection | Screw-clamp terminals 1 x 0.34...2 x 1.5 mm ² |
| Contacts insulation form | Zb |
| Number of steps | 1 |
| Positive opening | With |
| Positive opening minimum force | 45 N |
| Minimum force for tripping | 15 N |
| Minimum actuation speed | 0.01 m/min |
| Maximum actuation speed | 1.64 ft/s (0.5 m/s) |
| Repeat accuracy | 0.05 mm on the tripping points with 1 million operating cycles |
| Contact code designation | A300, AC-15 (Ue = 240 V), Ie = 3 A IEC 60947-5-1 appendix A Q300, DC-13 (Ue = 250 V), Ie = 0.27 A IEC 60947-5-1 appendix A |
| [Ithe] conventional enclosed thermal current | 10 A AC |
| [Ui] rated insulation voltage | 300 VUL 508 500 V 3)IEC 60947-1 300 VCSA C22.2 No 14 |
| Maximum resistance across terminals | 25 MOhm IEC 60255-7 category 3 |
| [Uimp] rated impulse withstand voltage | 6 kV IEC 60664 6 kV IEC 60947-1 |
| Short-circuit protection | 10 A cartridge fuse gG |
| Electrical durability | 5000000 Cycles, DC-13, inductive, 120 V, 4 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C 5000000 Cycles, DC-13, inductive, 24 V, 7 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C 5000000 cycles, DC-13, inductive, 48 V, 10 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C |
| Mechanical durability | 20000000 cycles |
| Width | 2.05 in (52 mm) |

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| Height | 2.83 in (72 mm) |
| Depth | 1.18 in (30 mm) |
| Terminals description ISO n°1 | (21-22)NC (13-14)NO |

Environment

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|---------------------------------------|---|
| Shock resistance | 50 gn 11 ms IEC 60068-2-27 |
| Vibration resistance | 25 gn 10...500 Hz)IEC 60068-2-6 |
| IP degree of protection | IP66 conforming to IEC 60529 |
| IK degree of protection | IK05 conforming to IEC 62262 |
| Electrical shock protection class | Class I IEC 61140 Class I NF C 20-030 |
| Ambient Air Temperature for Operation | -13...158 °F (-25...70 °C) |
| Ambient Air Temperature for Storage | -40...158 °F (-40...70 °C) |
| Protective treatment | TC |
| Product Certifications | CSA[RETURN]UL |
| Standards | UL 508 IEC 60947-5-1 IEC 60947-5-1 CSA C22.2 No 14 IEC 60204-1 IEC 60204-1 |

Ordering and shipping details

| | |
|-------------------|---------------|
| Category | US1000T22416 |
| Discount Schedule | 000T |
| GTIN | 3389110902372 |
| Returnability | Yes |
| Country of origin | US |

Packing Units

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|------------------------------|-------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 2.44 in (6.2 cm) |
| Package 1 Width | 5.67 in (14.4 cm) |
| Package 1 Length | 1.26 in (3.2 cm) |
| Package 1 Weight | 8.61 oz (244.0 g) |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 32 |
| Package 2 Height | 5.91 in (15.0 cm) |
| Package 2 Width | 11.81 in (30.0 cm) |
| Package 2 Length | 15.75 in (40.0 cm) |
| Package 2 Weight | 17.72 lb(US) (8.039 kg) |

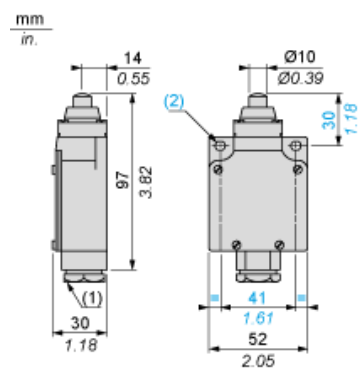
Offer Sustainability

| | |
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| Sustainable offer status | Green Premium product |
| 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 |
| Circularity Profile | No need of specific recycling operations |
| For all Reach Rohs enquiries contact us at | sustainability@tesensors.com |

Contractual warranty

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| Warranty | 18 months |
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Dimensions



(1) 1/2" NPT

Ø: 2 elongated holes Ø 5.2 x 6.2

Mounting with Cable Entry

Position of Cable Gland



- (1) Recommended
(2) To be avoided

Wiring Diagram

2-pole NC + NO Snap Action

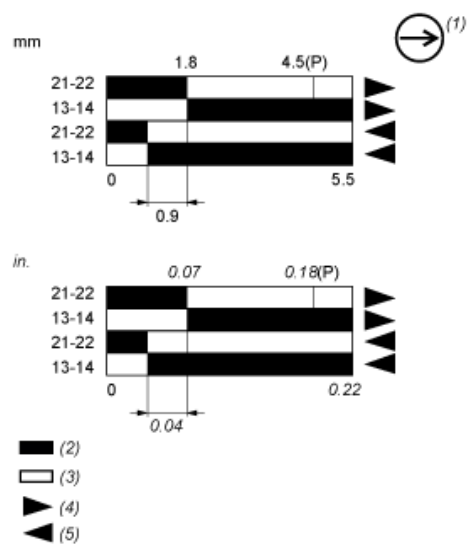


Characteristics of Actuation

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