

XCKN2149G11

Limit switch, Limit switches XC Standard, XCKN, plastic roller lever \tilde{A} 50 var.length, 1NC +1 NO, snap, Pg11



Main

| | |
|-------------------------------|---|
| Range of Product | Telemecanique Limit switches XC Standard |
| Series name | Standard format |
| Product or Component Type | Limit switch |
| Device short name | XCKN |
| Sensor design | Compact |
| Body type | Fixed |
| Head type | Rotary head |
| Material | Plastic |
| Body material | Plastic |
| Head material | Plastic |
| Fixing Mode | By the body |
| Movement of operating head | Rotary |
| Type of operator | Spring return roller lever thermoplastic variable length, roller diameter 50 mm |
| Type of approach | Lateral approach, 2 directions |
| Cable entry | 1 entry tapped for Pg 11 cable gland |
| Number of poles | 2 |
| Contacts type and composition | 1 NC + 1 NO |
| Contact operation | Snap action |

Complementary

| | |
|--|---|
| Switch actuation | By 30° cam |
| Electrical connection | Screw-clamp terminals 1 x 0.34...2 x 1.5 mm ² |
| Contacts insulation form | Zb |
| Positive opening | With |
| Minimum torque for tripping | 0.9 lbf.in (0.1 N.m) |
| Maximum actuation speed | 4.9 ft/s (1.5 m/s) |
| Contact code designation | A300, AC-15 (Ue = 240 V), Ie = 3 A 10 A IEC 60947-5-1 appendix A R300, DC-13 (Ue = 250 V), Ie = 0.1 A IEC 60947-5-1 appendix A |
| [Ui] rated insulation voltage | 300 VUL 508 500 V 3)IEC 60947-1 300 VCSA C22.2 No 14 |
| [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, 120 V, 4 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C 5000000 Cycles, DC-13, 24 V, 10 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C 5000000 cycles, DC-13, 48 V, 7 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C |
| Mechanical durability | 10000000 cycles |
| Width | 1.2 in (30 mm) |
| Height | 5.2...6.8 in (133...173 mm) |
| Depth | 1.9 in (48 mm) |
| Net Weight | 0.4 lb(US) (0.2 kg) |
| Terminals description ISO n°1 | (21-22)NC (13-14)NO |

Environment

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|---------------------------------------|---|
| Shock resistance | 15 gn 11 ms IEC 60068-2-27 |
| Vibration resistance | 25 gn 10...500 Hz)IEC 60068-2-6 |
| IP degree of protection | IP65 conforming to IEC 60529 |
| IK degree of protection | IK04 conforming to IEC 62262 |
| Overvoltage category | Class II IEC 61140 Class II 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[RETURN]CCC |
| Standards | IEC 60947-5-1 UL 508 IEC 60204-1 IEC 60947-5-1 IEC 60204-1 CSA C22.2 No 14 |

Ordering and shipping details

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|-------------------|---------------|
| Category | US1000T22435 |
| Discount Schedule | 000T |
| GTIN | 3389110319019 |
| Returnability | No |
| Country of origin | FR |

Packing Units

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|------------------------------|-------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 4.3 in (11.0 cm) |
| Package 1 Width | 6.2 in (15.8 cm) |
| Package 1 Length | 12.09 in (30.7 cm) |
| Package 1 Weight | 7.9 oz (224.0 g) |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 20 |
| Package 2 Height | 4.3 in (11.0 cm) |
| Package 2 Width | 6.2 in (15.8 cm) |
| Package 2 Length | 12.09 in (30.7 cm) |
| Package 2 Weight | 10.10 lb(US) (4.58 kg) |
| Unit Type of Package 3 | S03 |
| Number of Units in Package 3 | 60 |
| Package 3 Height | 11.8 in (30 cm) |
| Package 3 Width | 11.8 in (30 cm) |
| Package 3 Length | 15.7 in (40 cm) |
| Package 3 Weight | 30.73 lb(US) (13.94 kg) |

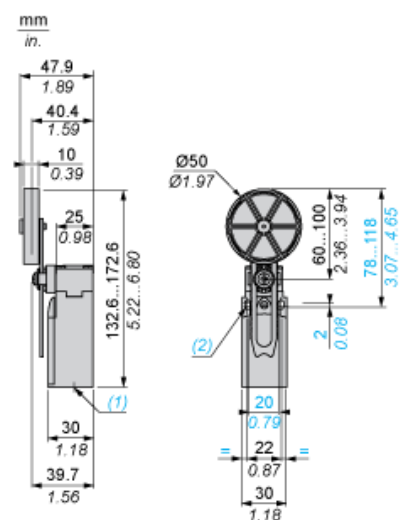
Offer Sustainability

| | |
|--|---|
| 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 |
|----------|-----------|

Dimensions



Mounting with Cable Entry

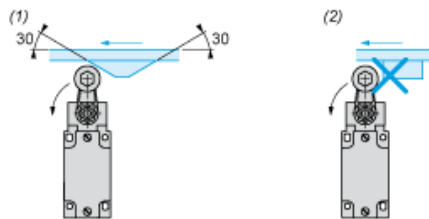
Position of Cable Gland



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

Mounting with Rotary Heads and Levers

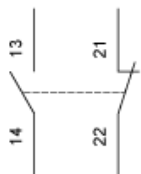
Type of Cam



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

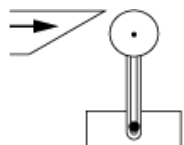
Wiring Diagram

2-pole NC + NO Snap Action

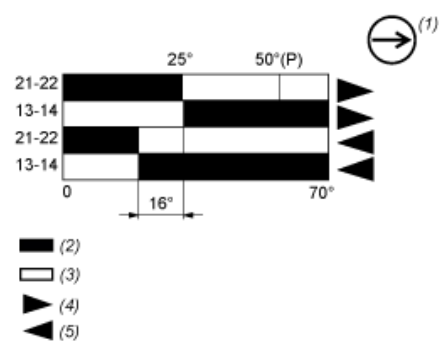


Characteristics of Actuation

Switch Actuation by 30° Cam



Functionnal Diagram



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