

Product data sheet

Characteristics

XCNR2921P20

limit switch XCNR - roller lever plunger Ho
direction - 2NC - snap - M20



Important message: We have updated the process for ordering Telemecanique Sensors products. For more information, please contact your Telemecanique Sensors representative in the UK&I at: UK.salesorders@tesensors.com You can find all product information on the Telemecanique Sensors website: www.tesensors.com/uk/en
EAN Code: 3389119034418



Main

| | |
|-------------------------------|--|
| Range of product | Telemecanique Limit switches XC Standard |
| Series name | Standard format |
| Product or component type | Limit switch |
| Device short name | XCNR |
| Sensor design | Compact |
| Reset | With |
| Body type | Fixed |
| Head type | Plunger head |
| Material | Plastic |
| Body material | Plastic |
| Head material | Plastic |
| 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 |
| Number of poles | 2 |
| Contacts type and composition | 2 NC |
| Contact operation | Snap action |

Complementary

| | |
|--|---|
| 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 M20 x 1.5 cable gland, cable outer diameter: 7...13 mm |
| Contacts insulation form | Zb |
| Positive opening | With |
| Positive opening minimum force | 10 N |
| Minimum force for tripping | 6 N |
| Maximum actuation speed | 1 m/s |
| Contact code designation | A300, AC-15 (Ue = 240 V), Ie = 3 A, Ithe = 10 A conforming to EN/IEC 60947-5-1 appendix A R300, DC-13 (Ue = 250 V), Ie = 0.1 A conforming to EN/IEC 60947-5-1 appendix A |
| [Ui] rated insulation voltage | 300 V conforming to UL 508 500 V (pollution degree 3) conforming to EN/IEC 60947-1 300 V conforming to CSA C22.2 No 14 |
| [Uimp] rated impulse withstand voltage | 6 KV conforming to IEC 60664 6 kV conforming to IEC 60947-1 |
| Short-circuit protection | 10 A cartridge fuse, type gG |
| Mechanical durability | 100000 cycles |



Environment

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|---------------------------------------|---|
| Shock resistance | 50 gn for 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 | IP65 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 20030 |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -40...70 °C |
| Protective treatment | TC |
| Product certifications | CCC[RETURN]UL[RETURN]CSA |
| Standards | EN 60947-5-1 EN 60204-1 IEC 60204-1 UL 508 IEC 60947-5-1 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 Height | 3.83 cm |
| Package 1 Width | 3 cm |
| Package 1 Length | 10.92 cm |
| Package 1 Weight | 92 g |
| Unit Type of Package 2 | CAR |
| Number of Units in Package 2 | 20 |
| Package 2 Height | 16 cm |
| Package 2 Width | 16 cm |
| Package 2 Length | 31 cm |
| Package 2 Weight | 1.84 kg |
| Unit Type of Package 3 | S03 |
| Number of Units in Package 3 | 60 |
| Package 3 Height | 30 cm |
| Package 3 Width | 30 cm |
| Package 3 Length | 40 cm |
| Package 3 Weight | 6.233 kg |

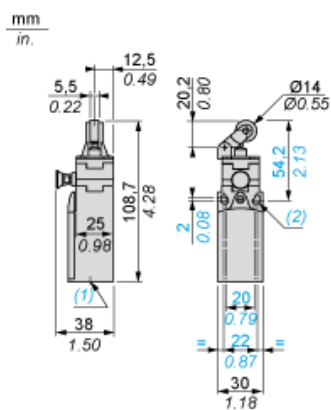
Offer Sustainability

| | |
|----------------------------|--|
| 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 |
| RoHS exemption information |  Yes |

Contractual warranty

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|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Dimensions



- (1) 1 tapped entry for M20 x 1.5
(2) Ø: 2 elongated holes Ø 4.3 x 6.3 on 22 mm centres, 2 holes Ø 4.3 on 20 mm centres.

Mounting with Cable Entry

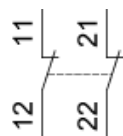
Position of Cable Gland



- (1) Recommended
(2) To be avoided

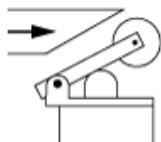
Wiring Diagrams

2-pole NC + NC Snap Action

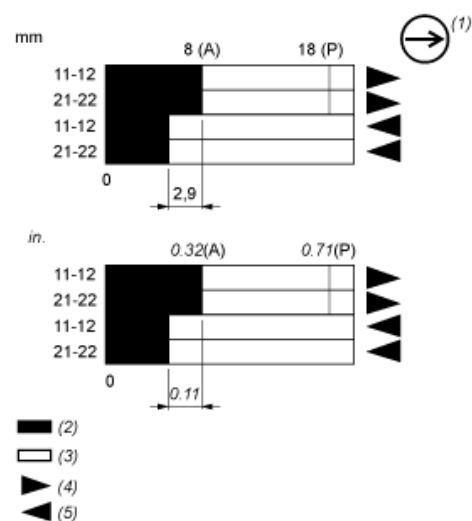


Characteristics of Actuation

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