

Product data sheet

Characteristics

XCNR2121G11

limit switch XCNR - th.plastic roller lever plung.
Hor - 1NC+1NO - snap - Pg11



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	1 NC + 1 NO
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 Pg 11 cable gland
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 (U _e = 240 V), I _e = 3 A, I _{the} = 10 A conforming to EN/IEC 60947-5-1 appendix A R300, DC-13 (U _e = 250 V), I _e = 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

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	CSA[RETURN]CCC[RETURN]UL
Standards	UL 508 EN 60204-1 EN 60947-5-1 IEC 60947-5-1 CSA C22.2 No 14 IEC 60204-1

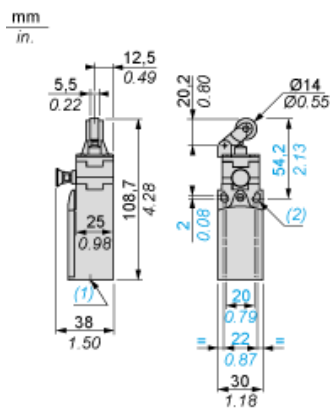
Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Contractual warranty

Warranty	18 months
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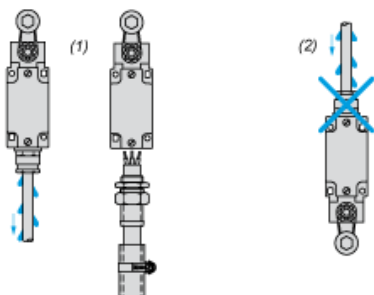
Dimensions



- (1) 1 tapped entry for Pg 11 cable gland
(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

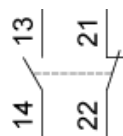
Position of Cable Gland



- (1) Recommended
(2) To be avoided

Wiring Diagrams

2-pole NC + NO Snap Action



Switch Actuation by 30° Cam

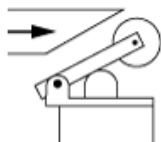


Figure 10 consists of two diagrams, (a) and (b), illustrating the effect of a 10% increase in the length of the second element on the element lengths and the number of elements.

Diagram (a) shows the element lengths in mm. The total length is 15.9(P). The segment length is 9(A). The element lengths are 21-22, 13-14, 21-22, and 13-14. The segment length is 5.2. The legend indicates that the element lengths are (2), (3), (4), and (5).

Diagram (b) shows the element lengths in in. The total length is 0.23(P). The segment length is 0.35(A). The element lengths are 21-22, 13-14, 21-22, and 13-14. The segment length is 0.20. The legend indicates that the element lengths are (2), (3), (4), and (5).

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