

Product data sheet

Characteristics

XCNT2121P16

limit switch XCNT - th.plastic roller lever plung.
Hor - 1NC+1NO - snap - M16



Main

Range of product	Telemecanique Limit switches XC Standard
Series name	Standard format
Product or component type	Limit switch
Device short name	XCNT
Sensor design	Compact
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
Cable entry	2 entries tapped for M16 x 1.5 cable gland, cable outer diameter: 7...13 mm
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 open terminals, clamping capacity: 1 x 0.34...2 x 1.5 mm ²
Contacts insulation form	Zb
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 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	10000000 cycles
Width	58.8 mm
Height	86.17 mm
Depth	30.5 mm

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 20-030
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...70 °C
Protective treatment	TC
Product certifications	CCC[RETURN]CSA[RETURN]UL
Standards	EN/IEC 60947-5-1 CSA C22.2 No 14 UL 508 EN/IEC 60204-1

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.1 cm
Package 1 Width	5.8 cm
Package 1 Length	8.7 cm
Package 1 Weight	99.0 g
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	11.0 cm
Package 2 Width	12.7 cm
Package 2 Length	17.0 cm
Package 2 Weight	991.0 g
Unit Type of Package 3	S03
Number of Units in Package 3	80
Package 3 Height	30 cm
Package 3 Width	30 cm
Package 3 Length	40 cm
Package 3 Weight	8.58 kg

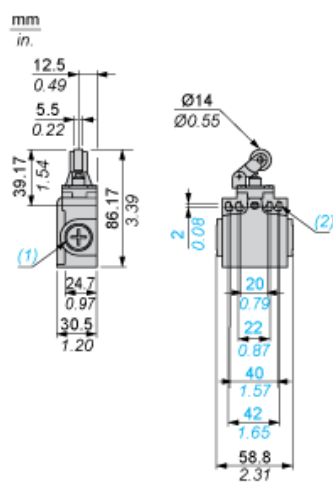
Offer Sustainability

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

Contractual warranty

Warranty	18 months
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Dimensions



- (1) 2 tapped entry for M16 x 1.5
(2) Ø: 4 elongated holes Ø 4.3 x 6.3

Mounting with Cable Entry

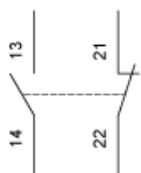
Position of Cable Gland



- (1) Recommended
(2) To be avoided

Wiring Diagram

2-pole NC + NO Snap Action

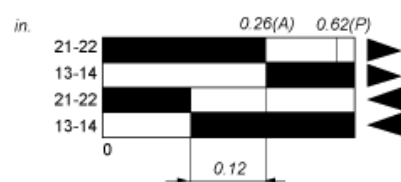
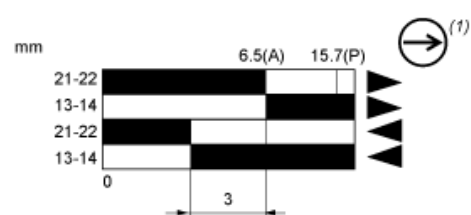


Characteristics of Actuation

Switch Actuation by 30° Cam



Functionnal Diagram



■ (2)

□ (3)

▶ (4)

◀ (5)

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