XCNT2745P16

limit switch XCNT - th.plastic roller lever
var.length - 2NC - slow - M16

Green Premium™ Product

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	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
Type of approach	Lateral approach, 2 directions
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	2 NC
Contact operation	Slow-break, simultaneous

Complementary

Switch actuation	By 30° cam
Electrical connection	Screw-clamp open terminals, clamping capacity: 1 x 0.34...2 x 1.5 mm²
Contacts insulation form	Zb
Positive opening	With
Positive opening minimum torque	0.15 N.m
Minimum torque for tripping	0.1 N.m
Maximum actuation speed	1.5 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 IEC 60664 6 kV IEC 60947-1
Short-circuit protection	10 A cartridge fuse, type gG
Mechanical durability	10000000 cycles
Width	58.8 mm
Height	109.6 mm
Depth	42.2 mm

Environment

Shock resistance	35 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 CSA UL
Standards	CSA C22.2 No 14 EN/IEC 60947-5-1 UL 508 EN/IEC 60204-1

Packing Units

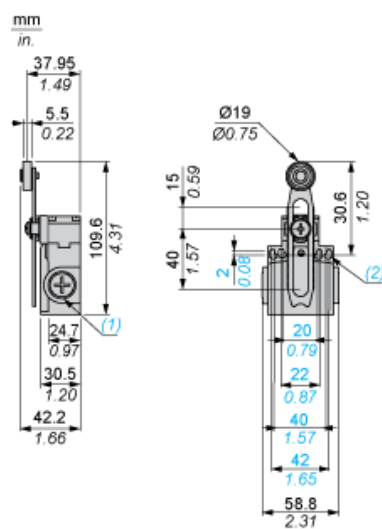|	
Package 1 Weight	0.216 kg
Package 1 Height	0.420 dm
Package 1 width	0.580 dm
Package 1 Length	1.010 dm

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) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Contractual warranty

Warranty	18 months

Dimensions

mm
in.

(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

Mounting with Rotary Heads and Levers

Type of Cam

(1)   Recommended
(2)   To be avoided

Telemecanique
Sensors

Wiring Diagram

2-pole NC + NC Simultaneous, Slow Break
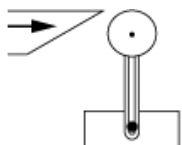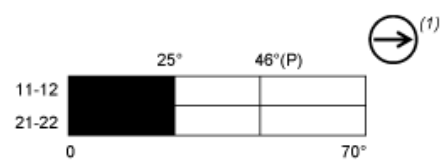
Characteristics of Actuation

Switch Actuation by 30° Cam

Functionnal Diagram

(P) Positive opening point
(1) NC contact with positive opening operation
(2) Closed
(3) Open

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