



Main

Range of product	Telemecanique Limit switches XC Standard
Series name	Standard format
Product or component type	Limit switch
Device short name	XCTR
Sensor design	Compact
Reset	With
Body type	Fixed
Head type	Plunger head
Material	Plastic
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Head material	Zamak
Fixing mode	By the body
Movement of operating head	Linear
Type of operator	Spring return roller plunger metal
Type of approach	Lateral approach, 2 directions
Cable entry	2 entries tapped for M16 x 1.5 cable gland, cable outer diameter: 4...8 mm
Number of poles	2
Contacts type and composition	1 NC + 1 NO
Contact operation	Slow-break, break before make

Complementary

Switch actuation	By 30° cam
Electrical connection	Screw-clamp terminals, clamping capacity: 1 x 0.5...2 x 2.5 mm ²
Contacts insulation form	Zb
Positive opening	With
Positive opening minimum force	36 N

Minimum force for tripping	12 N
Maximum actuation speed	1.64 ft/s (0.5 m/s)
Contact code designation	A300, AC-15 (Ue = 240 V), Ie = 3 A 10 A EN/IEC 60947-5-1 appendix A Q300, DC-13 (Ue = 250 V), Ie = 0.27 A EN/IEC 60947-5-1 appendix A
[Ui] rated insulation voltage	300 VUL 508 500 V 3)EN 60947-1 500 V 3)IEC 60947-1 300 VCSA C22.2 No 14
Maximum resistance across terminals	25 MOhm IEC 60255-7 category 3
[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
Width	2.28 in (58 mm)
Height	2.01 in (51 mm)
Depth	1.18 in (30 mm)
Net weight	0.28 lb(US) (0.125 kg)
Terminals description ISO n°1	(21-22)NC (13-14)NO

Environment

Shock resistance	50 gn 11 ms IEC 60068-2-27
Vibration resistance	25 gn 10...500 Hz)IEC 60068-2-6
IP degree of protection	IP66 IEC 60529 IP67 IEC 60529
IK degree of protection	IK04 EN 50102
Overvoltage category	Class II conforming to 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	UL CSA
Standards	UL 508 IEC 60947-5-1 EN 60947-5-1 CSA C22.2 No 14 IEC 60204-1 EN 60204-1

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	5.40 oz (153 g)
Package 1 Height	2.09 in (5.3 cm)
Package 1 width	3.54 in (9 cm)
Package 1 Length	6.69 in (17 cm)
Unit Type of Package 2	S03
Number of Units in Package 2	30
Package 2 Weight	11.44 lb(US) (5.187 kg)
Package 2 Height	11.81 in (30 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

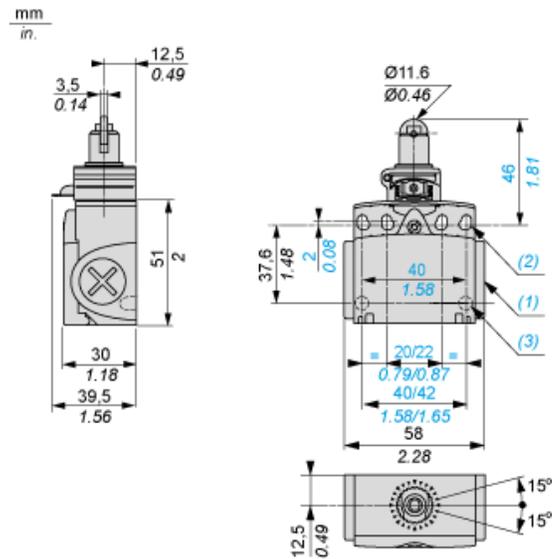
Offer Sustainability

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
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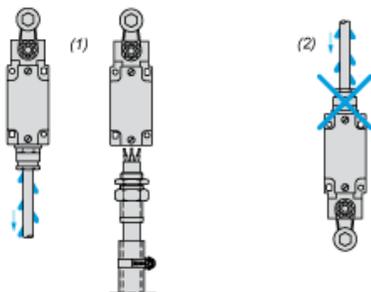
Dimensions



- (1) Tapped entry for M16 x 1.5
- (2) 4 elongated holes Ø 4.3 x 6.3 mm on 22/42 mm centres, 4 holes Ø 4.3 on 20/40 mm centres.
- (3) 2 x Ø 3 holes for support studs, depth 4 mm

Mounting with Cable Entry

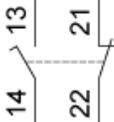
Position of Cable Gland



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

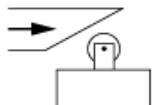
Wiring Diagram

2-pole NC + NO Break before Make, Slow Break



Characteristics of Actuation

Switch Actuation by 30° Cam



Functionnal Diagram

