



Main

Range of Product	Telemecanique Limit switches XC Standard
Series name	Standard format
Product or Component Type	Limit switch
Device short name	XCKD
Sensor design	Compact form C CENELEC EN 50047
Body type	Fixed
Head type	Plunger head
Material	Metal
Body Material	Zamak
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
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 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	36 N
Minimum force for tripping	12 N
Maximum actuation speed	1.64 ft/s (0.5 m/s)
Repeat accuracy	0.1 mm on the tripping points with 1 million operating cycles
Contact code designation	A300, AC-15 (Ue = 240 V), Ie = 3 A 10 A EN 60947-5-1 A300, AC-15 (Ue = 240 V), Ie = 3 A 10 A IEC 60947-5-1 appendix A Q300, DC-13 (Ue = 250 V), Ie = 0.27 A EN 60947-5-1 Q300, DC-13 (Ue = 250 V), Ie = 0.27 A IEC 60947-5-1 appendix A
[Ui] rated insulation voltage	300 VUL 508 500 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
Mechanical durability	10000000 cycles
Width	1.22 in (31 mm)
Height	2.56 in (65 mm)

Depth	1.18 in (30 mm)
Net Weight	0.41 lb(US) (0.185 kg)
Terminals description ISO n°1	(13-14)NO (21-22)NC

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	IP66IEC 60529 IP67IEC 60529
IK degree of protection	IK06 EN 50102
Electrical shock protection class	Class I IEC 61140 Class I 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	CSA CCC UL
Standards	IEC 60947-5-1 EN 60204-1 EN 60947-5-1 IEC 60204-1 CSA C22.2 No 14 UL 508

Ordering and shipping details

Category	22418-LIMIT SWITCH,IEC,XCKP&XCKT
Discount Schedule	T
GTIN	3389110307900
Nbr. of units in pkg.	1
Package weight(Lbs)	5.68 oz (161.0 g)
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.30 in (3.3 cm)
Package 1 width	1.54 in (3.9 cm)
Package 1 Length	3.86 in (9.8 cm)
Unit Type of Package 2	S01
Number of Units in Package 2	22
Package 2 Weight	8.62 lb(US) (3.912 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	5.91 in (15 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
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

Contractual warranty

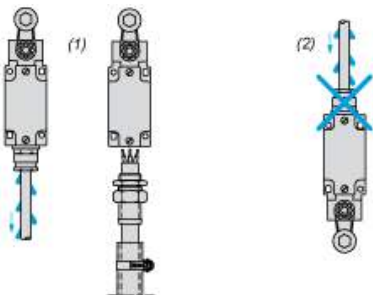
Warranty	18 months
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Technical drawings of the 1000 Series 1/2" components. The top left drawing shows a side view with dimensions: 3.5 in. (91.4 mm) total height, 0.14 in. (3.5 mm) base thickness, 12.5 in. (317.5 mm) total width, and 0.49 in. (12.4 mm) mounting hole offset. The top right drawing shows a top view of a component with dimensions: 11.6 in. (295 mm) outer diameter, 0.46 in. (11.7 mm) inner hole diameter, 30.5 in. (778 mm) total height, and 1.50 in. (38.1 mm) base thickness. The bottom left drawing shows a side view of a component with dimensions: 65 in. (1651 mm) total height, 2.56 in. (65 mm) base thickness, 30 in. (762 mm) total width, and 1.18 in. (30 mm) mounting hole offset. The bottom right drawing shows a top view of a component with dimensions: 10 in. (254 mm) total height, 0.39 in. (9.9 mm) base thickness, 2 in. (50.8 mm) mounting hole offset, 5 in. (127 mm) total width, 2.01 in. (50.8 mm) base thickness, 16 in. (406 mm) total height, 0.75 in. (19 mm) base thickness, 20/22 in. (508/559 mm) total width, 0.70/0.87 in. (17.8/22.1 mm) mounting hole offset, 31 in. (787 mm) total width, and 1.22 in. (31 mm) base thickness. The bottom right drawing also shows a side view of a component with dimensions: 12.5 in. (317.5 mm) total height, 2.49 in. (63 mm) base thickness, 15° angle, and 15° angle.

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Mounting with Cable Entry

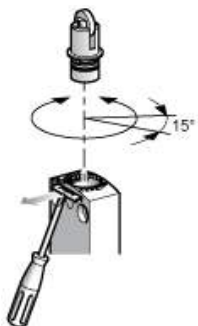
Position of Cable Gland



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

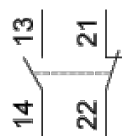
Setting-up

Plunger or Multi-directional Heads



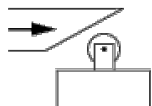
Wiring Diagram

2-pole NC + NO Snap Action

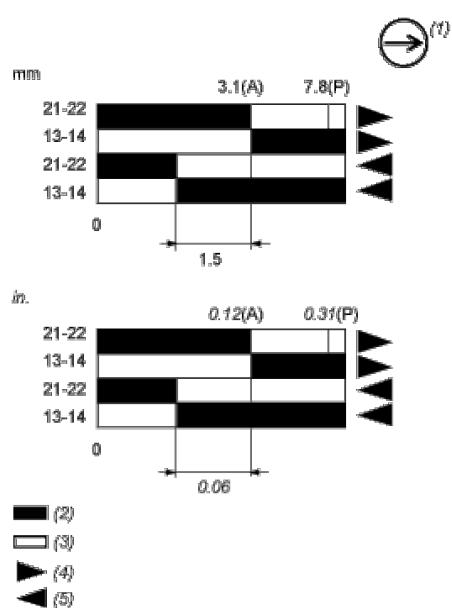


Characteristics of Actuation

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