

XCKJ167

Limit switch, Limit switches XC Standard,
XCKJ, steel roller plunger reinforced, 1NC+1
NO, snap, Pg13



Main

Range of Product	Telemecanique Limit switches XC Standard
Series name	Standard format
Product or Component Type	Limit switch
Device short name	XCKJ
Sensor design	Form C CENELEC EN 50041
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 reinforced
Type of approach	Lateral approach, 2 directions
Cable entry	1 entry tapped for Pg 13.5 cable gland 0.35...0.47 in (9...12 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 terminals 1 x 0.34...2 x 1.5 mm ²
Contacts insulation form	Zb
Number of steps	1
Positive opening	With
Positive opening minimum force	40 N
Minimum force for tripping	16 N
Maximum actuation speed	3.28 ft/s (1 m/s)
[Ie] rated operational current	3 A 240 V, AC-15, A300 EN/IEC 60947-5-1 appendix A 0.27 A 250 V, DC-13, Q300 EN/IEC 60947-5-1 appendix A
[Ithe] conventional enclosed thermal current	10 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, inductive, 120 V, 4 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C 5000000 Cycles, DC-13, inductive, 24 V, 10 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C 5000000 cycles, DC-13, inductive, 48 V, 7 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C
Mechanical durability	25000000 cycles

Width	1.57 in (40 mm)
Height	3.03 in (77 mm)
Depth	1.73 in (44 mm)
Net Weight	1.00 lb(US) (0.455 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	IP66 conforming to IEC 60529
IK degree of protection	IK07 EN 50102
Overvoltage category	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 UL CCC
Standards	EN 60947-5-1 IEC 60947-5-1 UL 508 IEC 60204-1 CSA C22.2 No 14 CENELEC EN 50041 EN 60204-1

Ordering and shipping details

Category	22411 - LIMIT SWITCHES,IEC,XCKJ
Discount Schedule	T
GTIN	3389110645989
Nbr. of units in pkg.	1
Package weight(Lbs)	16.37 oz (464 g)
Returnability	Yes
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.77 in (4.5 cm)
Package 1 width	2.76 in (7 cm)
Package 1 Length	5.04 in (12.8 cm)
Unit Type of Package 2	PAL
Number of Units in Package 2	288
Package 2 Weight	319.24 lb(US) (144.804 kg)
Package 2 Height	30.31 in (77 cm)
Package 2 width	23.62 in (60 cm)
Package 2 Length	31.50 in (80 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
----------	-----------

Technical drawing of the 1000 Series 1/2" (left) and 1000 Series 3/4" (right) components. The drawing includes dimensions in millimeters (mm) and inches (in.).

1000 Series 1/2" (Left):

- Top flange: 17 mm (0.67 in.)
- Top flange thickness: 5 mm (0.20 in.)
- Top flange hole: Ø12
- Top flange hole hole: Ø0.47
- Top flange hole hole hole: 2xØ5.3, 2xØ0.21
- Top flange hole hole hole hole: 30 mm (1.18 in.)
- Top flange hole hole hole hole hole: 1.32 mm
- Top flange hole hole hole hole hole hole: 44 mm (1.73 in.)
- Top flange hole hole hole hole hole hole hole: 120 mm (4.72 in.)
- Top flange hole hole hole hole hole hole hole hole: 4.72 mm

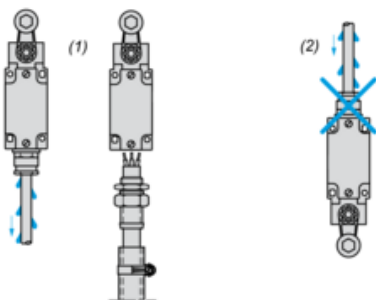
1000 Series 3/4" (Right):

- Top flange: 17 mm (0.67 in.)
- Top flange thickness: 5 mm (0.20 in.)
- Top flange hole: Ø12
- Top flange hole hole: Ø0.47
- Top flange hole hole hole: 2xØ5.3, 2xØ0.21
- Top flange hole hole hole hole: 30 mm (1.18 in.)
- Top flange hole hole hole hole hole: 1.32 mm
- Top flange hole hole hole hole hole hole: 44 mm (1.73 in.)
- Top flange hole hole hole hole hole hole hole: 120 mm (4.72 in.)
- Top flange hole hole hole hole hole hole hole hole: 4.72 mm

4

Mounting with Cable Entry

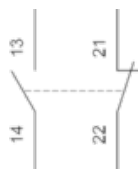
Position of Cable Gland



- (1) Recommended
(2) To be avoided

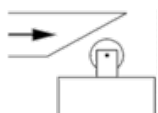
Wiring Diagram

2-pole NC + NO Snap Action

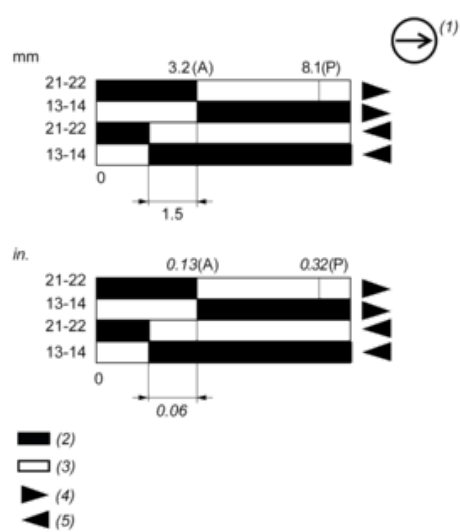


Characteristics of Actuation

Switch Actuation by 30° Cam



Functionnal Diagram



(P) Positive opening point

(A) Cam displacement

(1) NC contact with positive opening operation

(2) Closed

(3) Open

(4) Tripping

(5) Resetting

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Schneider Electric:](#)

[XCKJ167](#)