# XCKJ167

Limit switch, 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 conforming to 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, cable outer diameter: 912 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, clamping capacity: 1 x 0.342 x 1.5 mm <sup>2</sup>
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	1 m/s
[le] rated operational current	3 A at 240 V, AC-15, A300 conforming to IEC 60947-5-1 appendix A 0.27 A at 250 V, DC-13, Q300 conforming to IEC 60947-5-1 appendix A
[Ithe] conventional enclosed thermal current	10 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
Maximum resistance across terminals	25 MOhm conforming to IEC 60255-7 category 3
[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
Electrical durability	5000000 Cycles, DC-13, inductive load type, 120 V, 4 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 Cycles, DC-13, inductive load type, 24 V, 10 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 cycles, DC-13, inductive load type, 48 V, 7 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C
Mechanical durability	25000000 cycles

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not inherent or and is not to be used for determining suitability or inhability of these products for specific user applications. It is the dourn aren in integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Width	40 mm
Height	77 mm
Depth	44 mm
Net weight	0.455 kg
Terminals description ISO n°1	(13-14)NO (21-22)NC

## Environment

Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27
Vibration resistance	25 gn (f= 10500 Hz) conforming to IEC 60068-2-6
IP degree of protection	IP66 conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 62262
Overvoltage category	Class I conforming to IEC 61140 Class I conforming to NF C 20-030
Ambient air temperature for operation	-2570 °C
Ambient air temperature for storage	-4070 °C
Protective treatment	TH
Product certifications	CSA[RETURN]UL[RETURN]CCC
Standards	IEC 60947-5-1 IEC 60947-5-1 UL 508 IEC 60204-1 CSA C22.2 No 14 CENELEC EN 50041 IEC 60204-1

## **Packing Units**

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Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.5 cm
Package 1 Width	7.0 cm
Package 1 Length	12.8 cm
Package 1 Weight	464.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	18
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	8.63 kg
Unit Type of Package 3	PAL
Number of Units in Package 3	288
Package 3 Height	77.0 cm
Package 3 Width	60.0 cm
Package 3 Length	80.0 cm
Package 3 Weight	144.804 kg

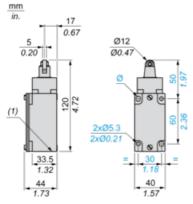
# Offer Sustainability

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	
Circularity Profile	No need of specific recycling operations	

## Contractual warranty

Warranty	18 months
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## **Dimensions**



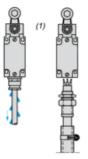
(1) 1 tapped entry Pg 13.5

# Product data sheet Mounting and Clearance

# XCKJ167

# Mounting with Cable Entry

## Position of Cable Gland





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

# Product data sheet Connections and Schema

# XCKJ167

# Wiring Diagram

2-pole NC + NO Snap Action



# Product data sheet Technical Description

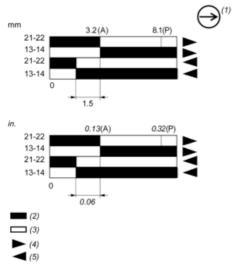
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## Characteristics of Actuation

## 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