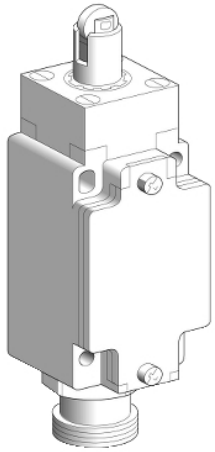
Product data sheet
Characteristics

XCKJ167A
limit switch XCKJ - steel roller plunger reinforced - 1NC+1NO - snap - 7/8"



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
Number of poles	2
Contacts type and composition	1 NC + 1 NO
Contact operation	Snap action

Complementary

Switch actuation	By 30° cam
Electrical connection	Male connector 7/8", 5 pins
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
[Ie] rated operational current	0.27 A at 250 V, DC-13 conforming to EN/IEC 60947-5-1 appendix A 3 A at 240 V, AC-15 conforming to EN/IEC 60947-5-1 appendix A
[Ithe] conventional enclosed thermal current	6 A
[Ui] rated insulation voltage	300 V conforming to UL 508 300 V conforming to CSA C22.2 No 14 250 V (pollution degree 3) conforming to IEC 60947-1
Maximum resistance across terminals	25 MOhm conforming to IEC 60255-7 category 3
[Uimp] rated impulse withstand voltage	IEC 60664 6 kV IEC 60947-1 6 kV
Short-circuit protection	6 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
Width	40 mm
Height	94 mm
Depth	44 mm

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 intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
It is the duty of any such user or 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.

Net weight	0.455 kg
Terminals description ISO n°1	(13-14)NO (21-22)NC

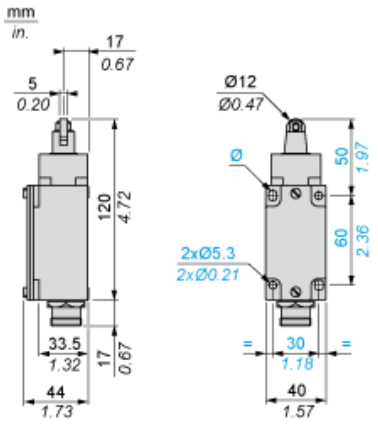
Environment

Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27
Vibration resistance	25 gn (f= 10…500 Hz) conforming to IEC 60068-2-6
IP degree of protection	IP66 conforming to IEC 60529
IK degree of protection	IK07 conforming to EN 50102
Overvoltage category	Class I conforming to IEC 61140 Class I 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 UL CSA
Standards	CSA C22.2 No 14 EN 60204-1 EN 60947-5-1 IEC 60204-1 IEC 60947-5-1 UL 508 CENELEC EN 50041

Contractual warranty

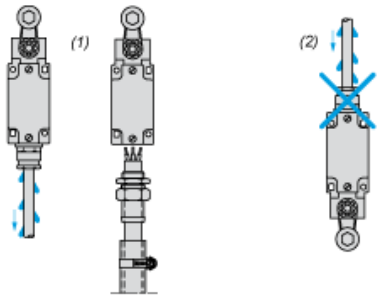
Warranty	18 months

Dimensions


mm
in.
17
0.67
5
0.20
120
4.72
33.5
1.32
17
0.67
44
1.73
Ø12
Ø0.47
Ø
50
1.97
60
2.36
2xØ5.3
2xØ0.21
30
1.18
40
1.57

Mounting with Cable Entry

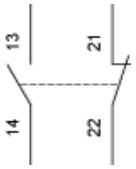
Position of Cable Gland



(1) Recommended
(2) To be avoided

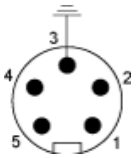
Wiring Diagram

2-pole NC + NO Snap Action



Wiring Diagram

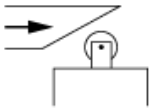
Connections



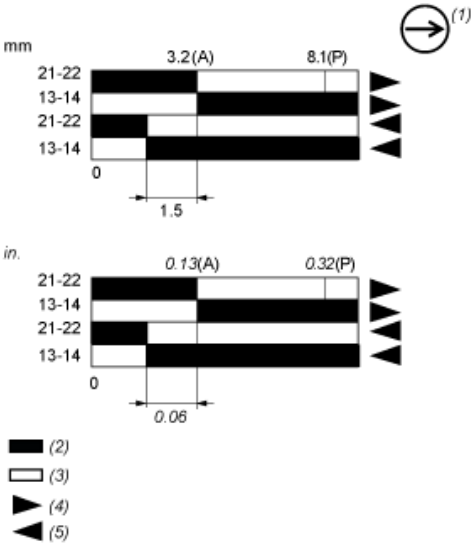
1 : 21
2 : 22
3 : Grounding
4 : 14
5 : 13

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