

XCKJ10513A

Limit switch, Limit switches XC Standard, XCKJ, steel roller lever, 1NC+1 NO, snap action, 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 A conforming to CENELEC EN 50041
Body type	Fixed
Head type	Rotary head
Material	Metal
Body material	Zamak
Head material	Zamak
Fixing mode	By the body
Movement of operating head	Rotary
Type of operator	Spring return roller lever metal
Type of approach	Lateral approach, 1 or 2 programmable direction
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 torque	0.5 N.m
Minimum torque for tripping	0.25 N.m
Maximum actuation speed	1.5 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	30000000 cycles
Width	40 mm
Height	94 mm

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Depth	44 mm
Net weight	0.49 kg
Terminals description ISO n°1	(21-22)NC (13-14)NO

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 IEC 60947-5-1 EN 60204-1 CENELEC EN 50041 IEC 60204-1 EN 60947-5-1 UL 508

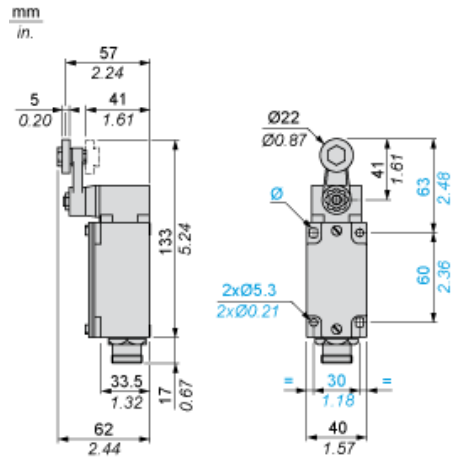
Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	550 g
Package 1 Height	5.5 cm
Package 1 width	6 cm
Package 1 Length	19 cm
Unit Type of Package 2	S02
Number of Units in Package 2	18
Package 2 Weight	10.2 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm
Unit Type of Package 3	P06
Number of Units in Package 3	288
Package 3 Weight	158.4 kg
Package 3 Height	77 cm
Package 3 width	80 cm
Package 3 Length	60 cm

Contractual warranty

Warranty	18 months
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Dimensions



Mounting with Cable Entry

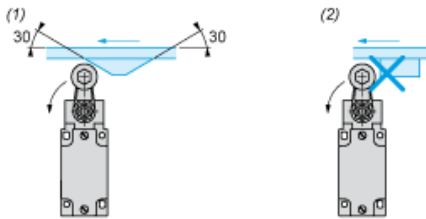
Position of Cable Gland



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

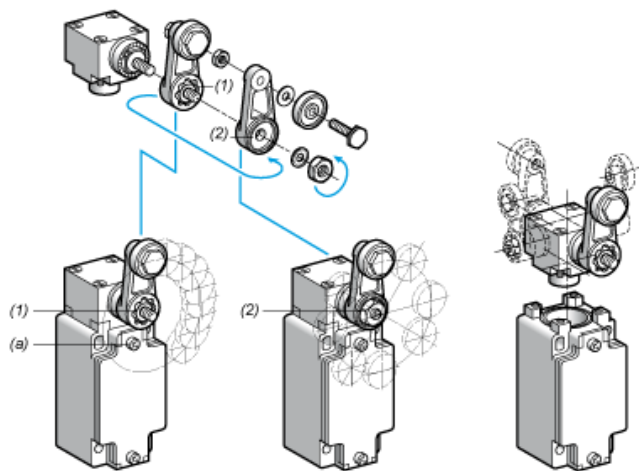
Mounting with Rotary Heads and Levers

Type of Cam



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

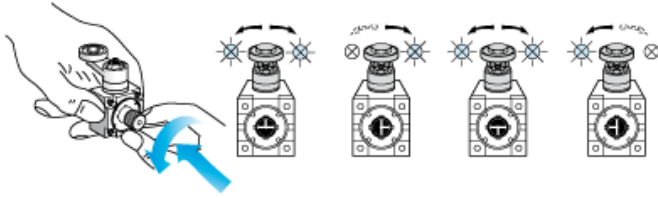
Setting-up with Lever Head



- (1) 5° steps throughout 360° / Tightening torque (Min : 1) (Max : 1.5)
- (2) 45° steps throughout 360° / Tightening torque (Min : 1) (Max : 1.5)
- (a) Tightening torque (Min : 1) (Max : 1.5)

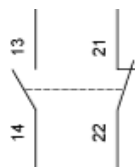
Setting-up with Head ZCKE05

Direction of Actuation Programming



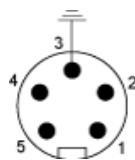
Wiring Diagram

2-pole NC + NO Snap Action



Wiring Diagram

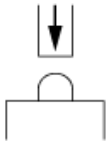
Connections



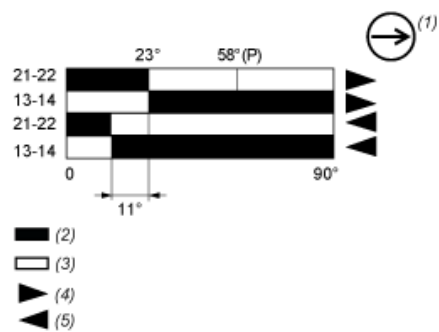
- 1 : 21
- 2 : 22
- 3 : Grounding
- 4 : 14
- 5 : 13

Characteristics of Actuation

Switch Actuation on End



Functionnal Diagram



- (P) Positive opening point
- (1) NC contact with positive opening operation
- (2) Closed
- (3) Open
- (4) Tripping
- (5) Resetting