

# Product data sheet

## Characteristics

# XCKJ10553H7

limit switch XCKJ - metal round rod lever 3 mm  
- 1NC+1NO - snap - 1/2NPT



### Main

Range of product	OsiSense XC
Series name	Standard format
Product or component type	Limit switch
Device short name	XCKJ
Sensor design	-
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 round rod lever metal round rod 3 mm, L = 125 mm
Type of approach	Lateral approach, 1 or 2 programmable direction
Cable entry	1 entry tapped for 1/2" NPT cable gland
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 <sup>2</sup>
Contacts insulation form	Zb
Number of steps	1
Positive opening	Without
Minimum torque for tripping	2.21 lbf.in (0.25 N.m)
Maximum actuation speed	4.92 ft/s (1.5 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 MΩ 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	30000000 cycles
Maximum Width	1.57 in (40 mm)
Height	3.03 in (77 mm)

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Depth	1.73 in (44 mm)
Net Weight	1.07 lb(US) (0.485 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 conforming to 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	UL 508 CENELEC EN 50041 EN 60947-5-1 IEC 60204-1 IEC 60947-5-1 EN 60204-1 CSA C22.2 No 14

## Ordering and shipping details

Category	22411 - LIMIT SWITCHES,IEC,XCKJ
Discount Schedule	T
GTIN	00785901909057
Nbr. of units in pkg.	1
Package weight(Lbs)	1.04 lb(US) (0.47 kg)
Returnability	Yes
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.65 in (4.2 cm)
Package 1 width	5.04 in (12.8 cm)
Package 1 Length	2.68 in (6.8 cm)

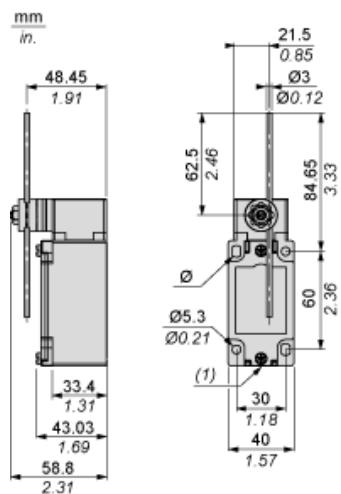
## Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisobutyl 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	 Yes
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>

## Contractual warranty

Warranty	18 months
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Dimensions

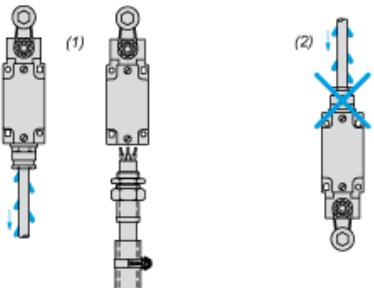


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### Mounting with Cable Entry

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#### Position of Cable Gland



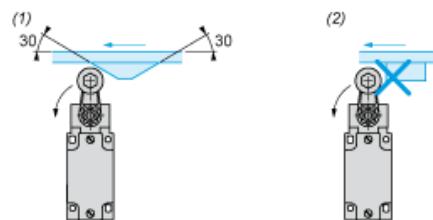
(1) Recommended  
(2) To be avoided

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### Mounting with Rotary Heads and Levers

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#### Type of Cam

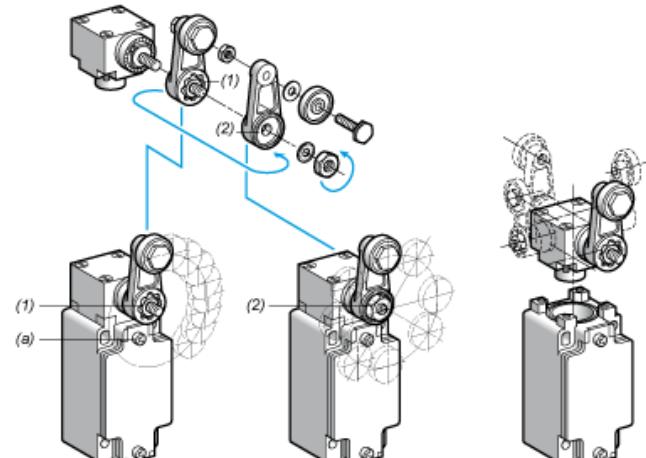


(1) Recommended  
(2) To be avoided

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### Setting-up with Lever Head

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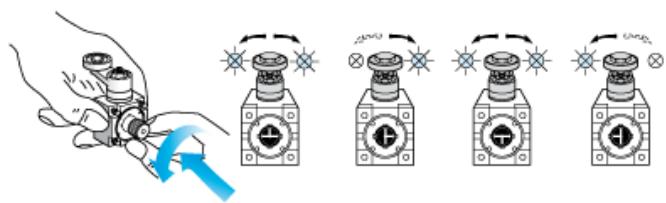
(1) 5° steps throughout 360° / Tightening torque (Min : 1) (Max : 1.5)  
(2) 45° steps throughout 360° / Tightening torque (Min : 1) (Max : 1.5)  
(a) Tightening torque (Min : 1) (Max : 1.5)

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### Setting-up with Head ZCKE05

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## Direction of Actuation Programming

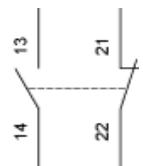


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Wiring Diagram

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2-pole NC + NO Snap Action

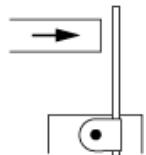


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### Characteristics of Actuation

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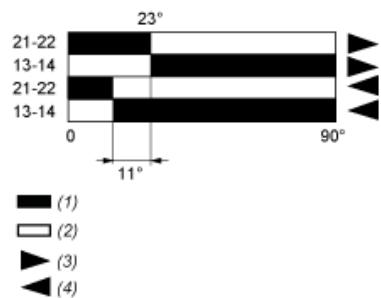
#### Switch Actuation by Any Moving Part



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### Functionnal Diagram

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- (1) Closed
- (2) Open
- (3) Tripping
- (4) Resetting