



Price* : 65.00 USD



Main

Range of product	OsiSense XC
Series name	Standard format
Product or component type	Limit switch
Device short name	XCKD
Sensor design	Compact
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 thermoplastic variable length
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	Screw-clamp terminals 1 x 0.34...2 x 1.5 mm ²
Cable entry	1 entry tapped for 1/2" NPT cable gland
Contacts insulation form	Zb
Positive opening	With
Positive opening minimum torque	2.21 lbf.in (0.25 N.m)

* Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Minimum torque for tripping	0.89 lbf.in (0.1 N.m)
Maximum actuation speed	4.92 ft/s (1.5 m/s)
Contact code designation	A300, AC-15 (Ue = 240 V), Ie = 3 A 10 A EN/IEC 60947-5-1 appendix A Q300, DC-13 (Ue = 250 V), Ie = 0.27 A EN/IEC 60947-5-1 appendix 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, 120 V, 4 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C 5000000 cycles, DC-13, 24 V, 10 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C 5000000 cycles, DC-13, 48 V, 7 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C
Mechanical durability	10000000 cycles

Environment

Shock resistance	50 gn 11 ms IEC 60068-2-27
Vibration resistance	25 gn 10...500 Hz)IEC 60068-2-6
IK degree of protection	IK06 EN 50102
Electrical shock protection class	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	UL CCC CSA
Standards	CSA C22.2 No 14 UL 508 IEC 60947-5-1 EN 60947-5-1 IEC 60204-1 EN 60204-1

Ordering and shipping details

Category	22418 - LIMIT SWITCH,IEC,XCKP&XCKT
Discount Schedule	T
GTIN	00785901300489
Nbr. of units in pkg.	1
Package weight(Lbs)	0.7 lb(US) (0.32 kg)
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	5.00 in (12.7 cm)
Package 1 width	1.26 in (3.2 cm)
Package 1 Length	1.85 in (4.7 cm)

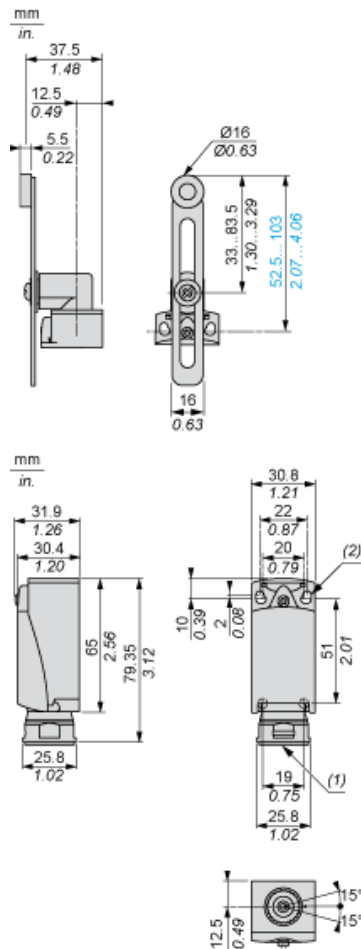
Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes

Contractual warranty

Warranty	18 months
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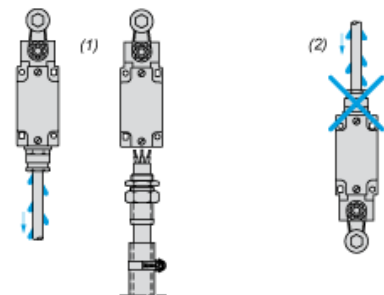
Dimensions



- (1) Tapped entry for 1/2" NPT
- (2) 2 elongated holes Ø 4.3 x 6.3 mm on 22 mm centres, 2 holes Ø 4.3 on 20 mm centres.
- (3) 2 x Ø 3 holes for support studs, depth 4 mm.

Mounting with Cable Entry

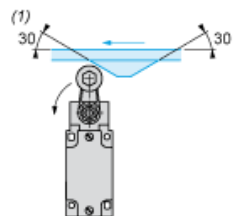
Position of Cable Gland



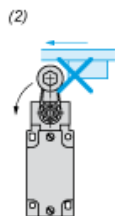
- (1) Recommended
(2) To be avoided

Mounting with Rotary Heads and Levers

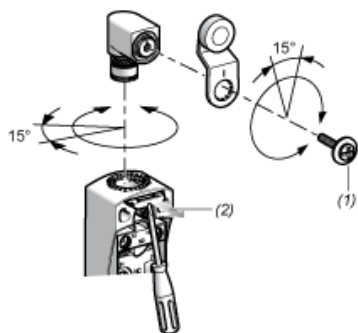
Type of Cam



- (1) Recommended
(2) To be avoided



Setting-up with Head ZCE01 and ZCE09



- (1) Tightening torque (Min : 1) (Max : 1.5)
(2) Tightening torque (Min : 0.8) (Max : 1.2)

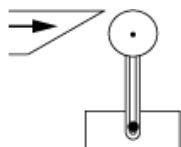
Wiring Diagram

2-pole NC + NO Snap Action

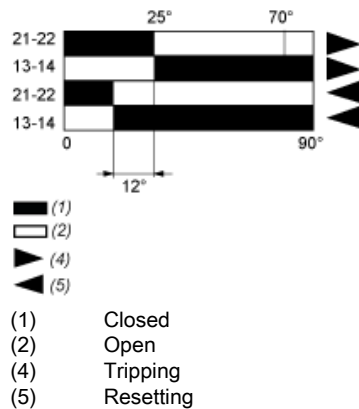


Characteristics of Actuation

Switch Actuation by 30° Cam



Functionnal Diagram



XCKD2145N12 is replaced by the following group of products:



Compact range ZCD21

limit switch body ZCD - compact - 1NC+1NO - snap action

Qty 1



Compact range ZCDEN12

cable gland entry - 1/2" NPT - for limit switch - metal body

Qty 1



Miniature range ZCE01

Osiswitch, limit switch head, ZCE, without lever, spring return, left and right actuation

Qty 1



Miniature range ZCY45

limit switch lever ZCY - thermoplastic roller lever variable length

Qty 1

