

Product data sheet

Characteristics

XCKP2110N12

limit switch XCKP - metal end plunger - 1NC+1NO
- snap - 1/2NPT

Product availability : Stock - Normally stocked in distribution facility



Price* : 47.90 USD



Main

Range of product	OsiSense XC
Series name	Standard format
Product or component type	Limit switch
Device short name	XCKP
Sensor design	Compact form B CENELEC EN 50047
Body type	Fixed
Head type	Plunger head
Material	Plastic
Body material	Plastic
Head material	Zamak
Fixing mode	By the body
Movement of operating head	Linear
Type of operator	Spring return plunger metal
Type of approach	Vertical approach, 1 direction
Number of poles	2
Contacts type and composition	1 NC + 1 NO
Contact operation	Snap action

Complementary

Switch actuation	On end
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 force	45 N

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

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Minimum force for tripping	15 N
Minimum actuation speed	0.01 m/min
Maximum actuation speed	1.64 ft/s (0.5 m/s)
Repeat accuracy	0.1 mm on the tripping points with 1 million operating cycles
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	15000000 cycles

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 IEC 60529 IP67 IEC 60529
IK degree of protection	IK04 EN 50102
Electrical shock protection class	Class II IEC 61140 Class II 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	CCC CSA UL
Standards	UL 508 IEC 60204-1 CSA C22.2 No 14 IEC 60947-5-1 EN 60947-5-1 EN 60204-1

Ordering and shipping details

Category	22418 - LIMIT SWITCH,IEC,XCKP&XCKT
Discount Schedule	T
GTIN	00785901300427
Nbr. of units in pkg.	1
Package weight(Lbs)	0.16 lb(US) (0.07 kg)
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	3.74 in (9.5 cm)
Package 1 width	1.26 in (3.2 cm)
Package 1 Length	1.50 in (3.8 cm)

Offer Sustainability

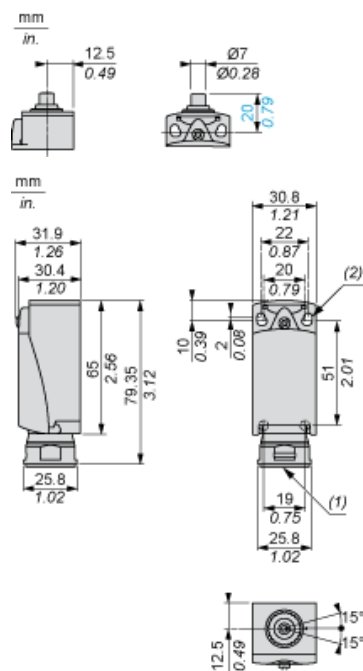
Sustainable offer status	Green Premium product
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California proposition 65	WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP) and Diisononyl phthalate (DINP) which is known to the State of California to cause Carcinogen and Reproductive harm. For more information go to www.p65warnings.ca.gov
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Contractual warranty

Warranty	18 months
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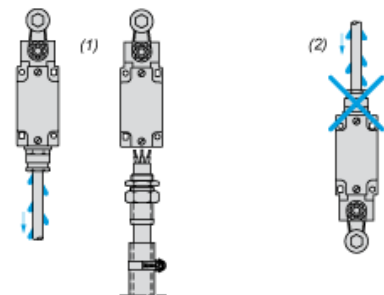
Dimensions



- (1) Tapped entry for 1/2" NPT
(2) 2 elongated holes $\varnothing 4.3 \times 6.3$ mm on 22 mm centres, 2 holes $\varnothing 4.3$ on 20 mm centres.

Mounting with Cable Entry

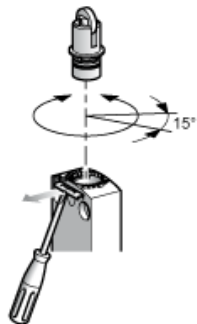
Position of Cable Gland



- (1) Recommended
(2) To be avoided

Setting-up

Plunger or Multi-directional Heads



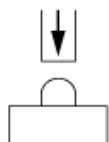
Wiring Diagram

2-pole NC + NO Snap Action

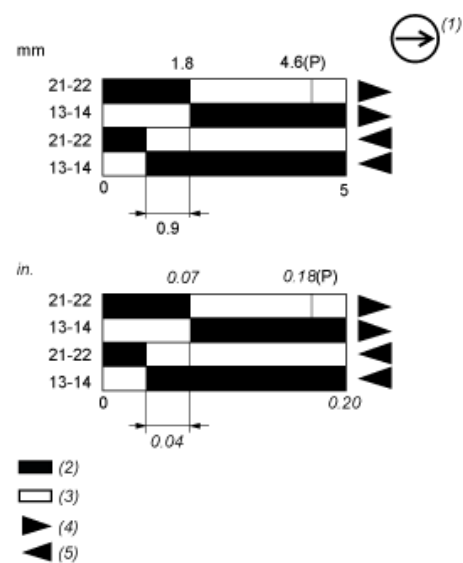


Characteristics of Actuation

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

XCKP2110N12 is replaced by the following group of products:



Miniature range ZCE10

limit switch head ZCE - metal end plunger

Qty 1



Compact range ZCP21

Osiswitch, limit switch body, ZCP, compact body, 1 NC and 1 NO, snap action

Qty 1



Compact range ZCPEN12

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

Qty 1

Reason for Substitution: End of life | Substitution date: 01 January 2017