

Product data sheet

Characteristics

XCKL102H7

limit switch XCKL - steel roller plunger - 1NC
+1NO - snap action - 1/2NPT

Product availability : Stock - Normally stocked in distribution facility



Price* : 139.00 USD



Main

Range of product	OsiSense XC
Series name	Standard format
Product or component type	Limit switch
Device short name	XCKL
Body type	Fixed
Head type	Plunger head
Material	Metal
Body material	Zamak
Fixing mode	By the body
Movement of operating head	Linear
Type of operator	Spring return roller plunger metal
Type of approach	Lateral approach, 2 directions
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 ²
Contacts insulation form	Zb
Number of steps	1
Positive opening	With
Positive opening minimum force	36 N
Minimum force for tripping	12 N

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

Aug 15, 2020

Minimum actuation speed	0.01 m/min
Maximum actuation speed	1.64 ft/s (0.5 m/s)
Contact code designation	A300, AC-15 (Ue = 240 V), Ie = 3 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
[Ithe] conventional enclosed thermal current	10 A AC
[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, inductive, 120 V, 4 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C 5000000 cycles, DC-13, inductive, 24 V, 7 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C 5000000 cycles, DC-13, inductive, 48 V, 10 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C
Mechanical durability	20000000 cycles
Width	2.05 in (52 mm)
Height	2.83 in (72 mm)
Maximum Depth	1.18 in (30 mm)
Terminals description ISO n°1	(21-22)NC (13-14)NO

Environment

Shock resistance	50 gn 11 ms EN/IEC 60068-2-27
Vibration resistance	25 gn 10...500 Hz)EN/IEC 60068-2-6
IP degree of protection	IP66 EN/IEC 60529
IK degree of protection	IK05 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 CSA
Standards	EN 60947-5-1 IEC 60204-1 IEC 60947-5-1 CSA C22.2 No 14 EN 60204-1 UL 508

Ordering and shipping details

Category	22416 - LIMIT SWITCHES,IEC,XCKL
Discount Schedule	T
GTIN	00785901451600
Nbr. of units in pkg.	1
Package weight(Lbs)	0.55 lb(US) (0.25 kg)
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.30 in (3.3 cm)
Package 1 width	2.56 in (6.5 cm)
Package 1 Length	5.75 in (14.6 cm)

Unit Type of Package 2	S02
Number of Units in Package 2	32
Package 2 Weight	18.33 lb(US) (8.314 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

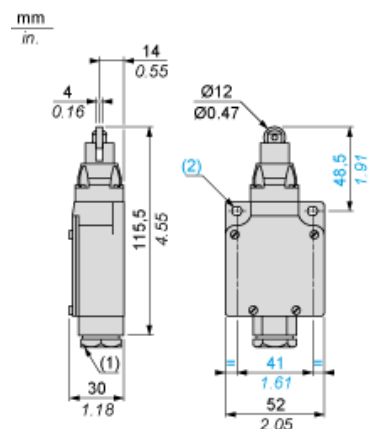
Offer Sustainability

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
Environmental Disclosure	Product Environmental Profile

Contractual warranty

Warranty	18 months
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Dimensions

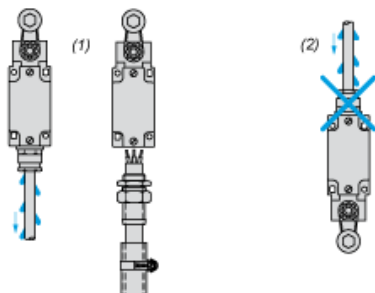


(1) 1/2" NPT

Ø: 2 elongated holes Ø 5.2 x 6.2

Mounting with Cable Entry

Position of Cable Gland



- (1) Recommended
(2) To be avoided

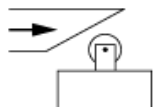
Wiring Diagram

2-pole NC + NO Snap Action

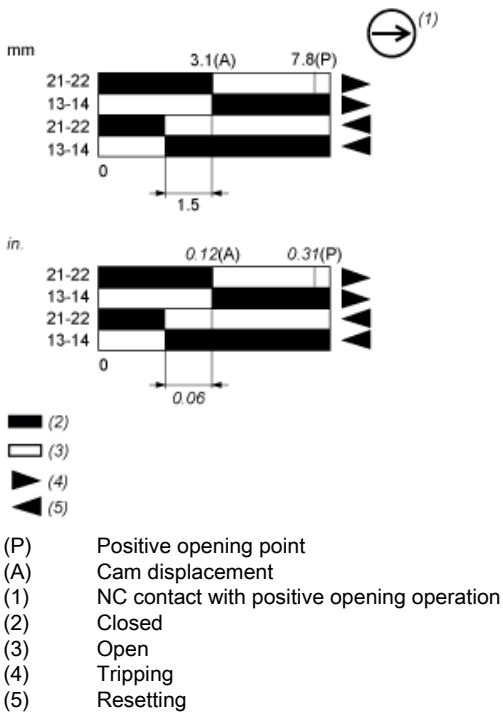


Characteristics of Actuation

Switch Actuation by 30° Cam



Functionnal Diagram



XCKL102H7 is replaced by the following group of products:

	Classic range ZCKD02 limit switch head ZCKD - steel roller plunger Qty 1
	Classic range ZCKL1H7 limit switch body ZCKL - 1NC+1NO - snap action - 1/2"NPT Qty 1

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