

# XCKT2102N12

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



## Main

Range of product	OsiSense XC
Series name	Standard format
Product or component type	Limit switch
Device short name	XCKT
Sensor design	Compact form C CENELEC EN 50047
Body type	Fixed
Head type	Plunger head
Material	Plastic
Movement of operating head	Linear
Type of operator	Spring return roller plunger metal
Switch actuation	By 30° cam
Type of approach	Lateral approach 2 directions
Electrical connection	Screw-clamp terminals , 1 x 0.34...2 x 1.5 mm <sup>2</sup>
Cable entry	2 entries tapped for 1/2" NPT cable gland
Number of poles	2
Contacts type and composition	1 NC + 1 NO
Contacts operation	Snap action
Positive opening	With
Positive opening minimum force	36 N
Minimum force for tripping	12 N

## Complementary

Body material	Plastic
Head material	Zamak
Contacts insulation form	Zb
Maximum actuation speed	0.5 m/s
Contact code designation	A300 AC-15 240 V 3 A EN/IEC 60947-5-1 appendix A 10 A Q300 DC-13 250 V 0.27 A EN/IEC 60947-5-1 appendix A
[Ui] rated insulation voltage	300 V UL 508 300 V CSA C22-2 No 14 500 V 3 IEC 60947-1
Resistance across terminals	≤ 25 mOhm IEC 60255-7 category 3
[Uimp] rated impulse withstand voltage	6 kV IEC 60947-1 6 kV IEC 60664
Short circuit protection	10 A cartridge fuse gG
Electrical durability	5000000 cycles DC-13, 24 V 10 W, ≤ 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 cycles DC-13, 48 V 7 W, ≤ 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 cycles DC-13, 120 V 4 W, ≤ 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C
Mechanical durability	10000000 cycles

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## 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
Class of protection against electric shock	Class II IEC 61140 Class II 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 CSA UL
Standards	CSA C22-2 No 14 EN 60204-1 EN 60947-5-1 IEC 60204-1 IEC 60947-5-1 UL 508
RoHS EUR status	Will be compliant
RoHS EUR conformity date	4Q2009