

# XCKJ161

limit switch XCKJ - metal end plunger - 1NO  
+1NC - snap action - Pg13



## Main

Range of product	OsiSense XC
Series name	Standard format
Product or component type	Limit switch
Device short name	XCKJ
Sensor design	Form B conforming to CENELEC EN 50041
Body type	Fixed
Head type	Plunger head
Material	Metal
Fixing mode	By the body
Movement of operating head	Linear
Type of operator	Metal spring return plunger
Switch actuation	On end
Type of approach	1 direction vertical approach
Electrical connection	Screw-clamp terminals, clamping capacity: 1 x 0.34...2 x 1.5 mm <sup>2</sup>
Cable entry	1 entry tapped for Pg 13.5 cable gland, cable outer diameter: 9 - 12 mm
Number of poles	2
Contacts type and composition	1 NO + 1 NC
Contacts operation	Snap action
Positive opening	With

## Complementary

Body material	Zamak
Head material	Zamak
Contacts insulation form	Zb
Number of steps	1
Positive opening min force	50 N
Minimum force for tripping	20 N
Maximum actuation speed	0.5 m/s
Repeat accuracy	0.1 mm on the tripping points with 1 million operating cycles
Contact code designation	A300, AC-15 (U <sub>e</sub> = 240 V, I <sub>e</sub> = 3 A) conforming to EN/IEC 60947-5-1 appendix A Q300, DC-13 (U <sub>e</sub> = 250 V, I <sub>e</sub> = 0.27 A) conforming to EN/IEC 60947-5-1 appendix A
I <sub>the</sub> cnvtl enclosed therm crtt	10 A, AC
U <sub>i</sub> rated insulation voltage	300 V conforming to CSA C22-2 No 14 300 V conforming to UL 508 500 V degree of pollution 3 conforming to IEC 60947-1
Resistance across terminals	<= 25 mOhm conforming to IEC 60255-7 category 3
U <sub>imp</sub> rated imp wstdvoltage	6 kV conforming to IEC 60664 6 kV conforming to IEC 60947-1
Short circuit protection	10 A by gG cartridge fuse
Electrical durability	5000000 cycles, DC-13 inductive load type , 120 V 5000000 cycles, DC-13 inductive load type , 24 V 5000000 cycles, DC-13 inductive load type , 48 V
Mechanical durability	30000000 cycles
Width	40 mm
Height	77 mm

Depth	44 mm
Product weight	0.43 kg
CAD overall width	40 mm
CAD overall height	107 mm
CAD overall depth	44 mm
Terminals description ISO nT <sup>1</sup>	(13-14)NO (21-22)NC

## Environment

Shock resistance	50 gn (duration = 11 ms) conforming to IEC 60068-2-27
Vibration resistance	25 gn (f = 10 - 500 Hz) conforming to IEC 60068-2-6
IP degree of protection	IP66 conforming to IEC 60529
IK degree of protection	IK07 conforming to EN 50102
Class of prot agnst elec shock	Class I conforming to IEC 61140 Class I conforming to NF C 20-030
Ambient air temp for op	-25...70 °C
Ambient air temp for storage	-40...70 °C
Protective treatment	TC
Product certifications	CCC CSA UL
Standards	CENELEC EN 50041 CSA C22-2 No 14 EN 60204-1 EN 60947-5-1 IEC 60204-1 IEC 60947-5-1 UL 508

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