

# XCKJ161H29

limit switch XCKJ - metal end plunger - 1NO  
+1NC - snap action - M20



## 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
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 M20 x 1.5 cable gland , cable outer diameter: 7...13 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
Switch actuation	On end
Contacts insulation form	Zb
Number of steps	1
Positive opening minimum 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>th</sub> ] conventional enclosed thermal current	10 A , AC
[U <sub>i</sub> ] rated insulation voltage	300 V conforming to UL 508 300 V conforming to CSA C22-2 No 14 500 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 impulse withstand voltage	6 kV conforming to IEC 60947-1 6 kV conforming to IEC 60664
Short circuit protection	10 A by gG cartridge fuse
Electrical durability	5000000 cycles , DC-13 inductive load type, 48 V , 7 W , load factor: 0.5 , operating rate: ≤ 60 cyc/mn 5000000 cycles , DC-13 inductive load type, 120 V , 4 W , load factor: 0.5 , operating rate: ≤ 60 cyc/mn 5000000 cycles , DC-13 inductive load type, 24 V , 10 W , load factor: 0.5 , operating rate: ≤ 60 cyc/mn

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Mechanical durability	30000000 cycles
Width	40 mm
Height	77 mm
Depth	44 mm
Product weight	0.43 kg

## 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 protection against electric shock	Class I conforming to IEC 61140 Class I conforming to 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	CENELEC EN 50041 CSA C22-2 No 14 EN 60204-1 EN 60947-5-1 IEC 60204-1 IEC 60947-5-1 UL 508
RoHS EUR conformity date	4Q2009
RoHS EUR status	Will be compliant