



## 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	Plug-in body
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 0.75...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	1
Contacts type and composition	1 C/O
Contacts operation	Snap action
Positive opening	Without

## Complementary

Body material	Zamak
Head material	Zamak
Switch actuation	On end
Contacts insulation form	Zb
Number of steps	1
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> ] 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
Mechanical durability	30000000 cycles

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Width	42.5 mm
Height	84 mm
Depth	36 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