



### Main

Range of product	OsiSense XC
Series name	Standard format
Product or component type	Limit switch
Device short name	XCKD
Sensor design	Compact
Body type	Fixed
Head type	Plunger head
Material	Metal
Fixing mode	By the body
Movement of operating head	Linear
Type of operator	Spring return roller plunger metal with elastomer boot
Switch actuation	On end
Type of approach	Vertical approach 1 direction
Electrical connection	Screw-clamp terminals , 1 x 0.34...2 x 1.5 mm <sup>2</sup>
Cable entry	1 entry tapped for M16 x 1.5 cable gland , cable outer diameter: 4...8 mm
Number of poles	2
Contacts type and composition	1 NC + 1 NO
Contacts operation	Snap action, break before make
Positive opening	With
Positive opening minimum force	45 N
Minimum force for tripping	15 N
Minimum actuation speed	0.01 m/min

### Complementary

Body material	Zamak
Head material	Zamak
Contacts insulation form	Zb
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-15 240 V 3 A IEC 60947-5-1 appendix A 10 A A300 AC-15 240 V 3 A EN 60947-5-1 10 A Q300 DC-13 250 V 0.27 A IEC 60947-5-1 appendix A Q300 DC-13 250 V 0.27 A EN 60947-5-1
[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 , DC 5000000 cycles DC-13, 48 V 7 W, ≤ 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C , DC 5000000 cycles DC-13, 120 V 4 W, ≤ 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C , DC
Mechanical durability	15000000 cycles
Width	31 mm
Height	65 mm
Depth	30 mm
Product weight	0.18 kg

## Environment

Shock resistance	50 gn 11 ms IEC 60068-2-27
Vibration resistance	25 gn 10...500 Hz IEC 60068-2-6
IK degree of protection	IK06 EN 50102
Class of protection against electric shock	Class I IEC 61140 Class I 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 conformity date	4Q2009
RoHS EUR status	Will be compliant