

Main

Range of product	OsiSense XC
Series name	Standard format
Product or component type	Limit switch
Device short name	XCKN
Sensor design	Compact form A conforming to CENELEC EN 50047
Body type	Fixed
Head type	Rotary head
Material	Plastic
Movement of operating head	Rotary
Type of operator	Thermoplastic spring return roller lever
Type of approach	2 directions , lateral approach
Electrical connection	Screw-clamp terminals (1 x 0.5...2 x 2.5 mm ²)
Cable entry	1 entry tapped for Pg 11 cable gland
Number of poles	2
Contacts type and composition	2 NO
Contacts operation	Slow-break, simultaneous
Positive opening	Without

Complementary

Body material	Plastic
Head material	Plastic
Fixing mode	By the body
Tracks	24/40 mm
Switch actuation	By 30° cam
Contacts insulation form	Zb
Minimum torque for tripping	0.1 N.m
Minimum actuation speed	6 m/s
Maximum actuation speed	1.5 m/s
Repeat accuracy	0.1 mm on the tripping points with 1 million operating cycles
Contact code designation	AC-15 : A300 (U _e = 240 V , I _e = 3 A), I _{the} = 10 A conforming to EN/IEC 60947-5-1 appendix A DC-13 : Q300 (U _e = 250 V , I _e = 0.27 A) conforming to EN/IEC 60947-5-1 appendix A
[Ui] 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
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947-1 6 kV conforming to IEC 60664
Short circuit protection	10 A cartridge fuse type gG
Electrical durability	5000000 cycles DC-13 (U _c = 24 V), 10 W , operating rate: ≤ 60 cyc/mn , load factor: 0.5 5000000 cycles DC-13 (U _c = 48 V), 7 W , operating rate: ≤ 60 cyc/mn , load factor: 0.5 5000000 cycles DC-13 (U _c = 120 V), 4 W , operating rate: ≤ 60 cyc/mn , load factor: 0.5
Mechanical durability	10000000 cycles
Width	31 mm

Height	65 mm
Depth	30 mm
Product weight	0.135 kg

Environment

Shock resistance	50 gn for 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 IP67 conforming to IEC 60529
IK degree of protection	IK04 conforming to EN 50102
Class of protection against electric shock	Class II conforming to IEC 61140 Class II 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	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	4Q2010
RoHS EUR status	Will be compliant