

Main

Range of product	OsiSense XC
Series name	Standard format
Product or component type	Limit switch
Device short name	XCDR
Sensor design	Compact
Body type	Fixed
Head type	Multi-directional head
Material	Metal
Body material	Zamak
Movement of operating head	Multi-directional
Type of operator	Spring return spring rod (with silicone boot)
Switch actuation	By any moving part
Type of approach	Multi-directional approach
Electrical connection	Screw-clamp terminals , clamping capacity: 1 x 0.34...2 x 1.5 mm ²
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 NC + 1 NO
Contacts operation	Snap action
Maximum actuation speed	0.5 m/s

Complementary

Reset	With
Head material	Zamak
Fixing mode	By the body
Contacts insulation form	Zb
Positive opening	Without
Minimum force for tripping	15 N
Contact code designation	A300 , AC-15 (U _e = 240 V , I _e = 3 A), I _{the} = 10 A conforming to EN/IEC 60947-5-1 appendix A Q300 , DC-13 (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 60947-1 500 V degree of pollution 3 conforming to EN 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 by gG cartridge fuse
Electrical durability	5000000 cycles , DC-13 , 24 V , 10 W , load factor: 0.5 , operating rate: ≤ 60 cyc/mn 5000000 cycles , DC-13 , 48 V , 7 W , load factor: 0.5 , operating rate: ≤ 60 cyc/mn 5000000 cycles , DC-13 , 120 V , 4 W , load factor: 0.5 , operating rate: ≤ 60 cyc/mn
Width	31 mm
Height	65 mm

Depth	30 mm
Product weight	0.215 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 IP67 conforming to IEC 60529
IK degree of protection	IK04 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	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