



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	Rotary head
Number of poles	2

Complementary

Body material	Zamak
Head material	Zamak
Fixing mode	By the body
Movement of operating head	Rotary
Type of operator	Spring return roller lever thermoplastic variable length
Switch actuation	By 30° cam
Contacts insulation form	Zb
Positive opening minimum torque	0.25 N.m
Minimum torque for tripping	0.1 N.m
Maximum actuation speed	1.5 m/s
Repeat accuracy	0.1 mm on the tripping points with 1 million operating cycles
Contact code designation	A300; AC-15(Ue = 240 V, Ie = 3 A)EN 60947-5-1Ithe = 10 A A300; AC-15(Ue = 240 V, Ie = 3 A)IEC 60947-5-1 appendix C, DC Q300; DC-13(Ue = 250 V, Ie = 0.27 A)EN 60947-5-1 Q300; DC-13(Ue = 250 V, Ie = 0.27 A)IEC 60947-5-1 appendix A
[Ui] rated insulation voltage	300 V CSA C22-2 No 14 300 V UL 508 500 V 3 IEC 60947-1
Resistance across terminals	<= 25 mOhm IEC 60255-7 category 3
[Uimp] rated impulse withstand voltage	6 kV IEC 60664 6 kV IEC 60947-1
Short circuit protection	10 A cartridge fuse gG
Electrical durability	5000000 cycles DC-13, 120 V 4 W, <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C, DC 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
Mechanical durability	10000000 cycles
Width	31 mm
Height	65 mm
Depth	30 mm
Product weight	0.235 kg
CAD overall width	31 mm
CAD overall height	158 mm
CAD overall depth	40 mm
Terminals description ISO n°1	(13-14)NO (21-22)NC

Environment

Material	Metal
Type of approach	Lateral approach 2 directions
Electrical connection	Screw-clamp terminals, 1 x 0.34...2 x 1.5 mm ²
Cable entry	1 entry tapped for M16 x 1.5 cable gland, cable outer diameter: 4...8 mm
Contacts type and composition	1 NC + 1 NO
Contacts operation	Snap action
Positive opening	With
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 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	CSA C22-2 No 14 EN 60204-1 EN 60947-5-1 IEC 60204-1 IEC 60947-5-1 UL 508
RoHS EUR status	Compliant
RoHS EUR conformity date	1002