



Main

Range of product	OsiSense XC
Series name	Standard format
Product or component type	Limit switch
Device short name	XCKL
Sensor design	-
Body type	Fixed
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 0.5...2 x 2.5 mm ²
Cable entry	1 metal cable gland entry , cable outer diameter: 6...13.5 mm
Number of poles	2
Contacts type and composition	1 NO + 1 NC
Contacts operation	Slow-break, break before make
Positive opening	With

Complementary

Body material	Zamak
Switch actuation	On end
Contacts insulation form	Zb
Number of steps	1
Positive opening minimum force	45 N
Minimum force for tripping	15 N
Minimum actuation speed	6 m/min
Maximum actuation speed	0.5 m/s
Repeat accuracy	0.05 mm on the tripping points with 1 million operating cycles
Contact code designation	A300 , AC-15 (U _e = 240 V , I _e = 3 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
[I _{th}] conventional enclosed thermal current	10 A AC
[U _i] 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 _{imp}] 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 , 9 W , load factor: 0.5 , operating rate: ≤ 60 cyc/mn 5000000 cycles , DC-13 inductive load type, 120 V , 7 W , load factor: 0.5 , operating rate: ≤ 60 cyc/mn 5000000 cycles , DC-13 inductive load type, 24 V , 13 W , load factor: 0.5 , operating rate: ≤ 60 cyc/mn

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Mechanical durability	20000000 cycles
Width	52 mm
Height	72 mm
Depth	30 mm
Product weight	0.255 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	IK05 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