



Main

Range of product	OsiSense XC
Series name	Standard format
Product or component type	Limit switch
Device short name	XCMN
Sensor design	Miniature
Body type	Fixed
Head type	Multi-directional head
Material	Plastic
Fixing mode	By the body
Movement of operating head	Multi-directional
Type of operator	Spring return spring rod (with thermoplastic end)
Switch actuation	By any moving part
Electrical connection	Fixed cable
Cable length	1 m
Number of poles	2
Contacts type and composition	1 NO + 1 NC
Contacts operation	Snap action
Positive opening	Without
Minimum force for tripping	0.1 N
Maximum actuation speed	1 m/s

Complementary

Body material	Plastic
Head material	Zamak
Type of approach	Multi-directional approach
Cable composition	4 x 0.75 mm ²
Wire insulation material	PvR
Contacts insulation form	Zb
Contact code designation	B300 , AC-15 (Ue = 240 V , Ie = 1.5 A) conforming to EN/IEC 60947-5-1 appendix A R300 , DC-13 (Ue = 250 V , Ie = 0.1 A) conforming to EN/IEC 60947-5-1 appendix A
[Ui] rated insulation voltage	300 V degree of pollution 3 conforming to UL 508 300 V degree of pollution 3 conforming to CSA C22-2 No 14 400 V degree of pollution 3 conforming to IEC 60947-5-1
Resistance across terminals	≤ 25 mOhm conforming to IEC 60255-7 category 3
[Uimp] rated impulse withstand voltage	4 kV conforming to IEC 60664 4 kV conforming to IEC 60947-1
Short circuit protection	6 A by gG cartridge fuse
Electrical durability	5000000 cycles , DC-13 , 24 V , 3 W , load factor: 0.5 , operating rate: ≤ 60 cyc/mn 5000000 cycles , DC-13 , 48 V , 2 W , load factor: 0.5 , operating rate: ≤ 60 cyc/mn 5000000 cycles , DC-13 , 120 V , 1 W , load factor: 0.5 , operating rate: ≤ 60 cyc/mn
Mechanical durability	5000000 cycles
Width	30 mm

Height	168 mm
Depth	16 mm
Product weight	0.085 kg

Environment

Shock resistance	25 gn (duration = 18 ms) conforming to IEC 60068-2-27
Vibration resistance	5 gn (f = 10...500 Hz) conforming to IEC 60068-2-6
IP degree of protection	IP65 conforming to IEC 60529
IK degree of protection	IK04 conforming to EN 50102
Class of protection against electric shock	Class II conforming to NF C 20-030 Class II conforming to IEC 61140
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/IEC 60204-1 EN/IEC 60947-5-1 UL 508
RoHS EUR conformity date	4Q2009
RoHS EUR status	Will be compliant

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