Product data sheet
Characteristics

XCKP2127P16
limit switch XCKP - th.plastic roller lever plung. Ver - 1NO+1NC - snap - M16



Main

Range of product	OsiSense XC
Series name	Standard format
Product or component type	Limit switch
Device short name	XCKP
Sensor design	Compact
Body type	Fixed
Head type	Plunger head
Material	Plastic
Fixing mode	By the body
Movement of operating head	Linear
Type of operator	Thermoplastic spring return roller lever plunger
Type of approach	1 direction vertical approach
Electrical connection	Screw-clamp terminals , clamping capacity: 1 x 0.34...2 x 1.5 mm²
Number of poles	2
Contacts type and composition	1 NC + 1 NO
Contacts operation	Snap action, break before make
Positive opening	With

Complementary

Body material	Plastic
Head material	Zamak
Switch actuation	By 30° cam
Cable entry	1 entry tapped for M16 x 1.5 cable gland , cable outer diameter: 4...8 mm
Contacts insulation form	Zb
Positive opening minimum force	18 N
Minimum force for tripping	6 N
Maximum actuation speed	1 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), Ithe = 10 A conforming to EN/IEC 60947-5-1 appendix A Q300 , DC-13 (Ue = 250 V , Ie = 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 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
Mechanical durability	15000000 cycles
Product weight	0.1 kg

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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 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	4Q2009
RoHS EUR status	Will be compliant