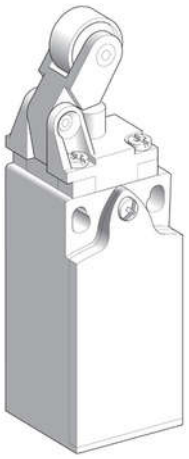
Product data sheet
Characteristics

XCKN2121P20
limit switch XCKN - th.plastic roller lever plung. Hor - 1NO+1NC - snap - M20



Main

Range of product	OsiSense XC
Series name	Standard format
Product or component type	Limit switch
Device short name	XCKN
Sensor design	Compact form E
Body type	Fixed
Head type	Plunger head
Material	Plastic
Movement of operating head	Linear
Type of operator	Thermoplastic spring return roller lever plunger
Type of approach	1 direction , lateral approach
Electrical connection	Screw-clamp terminals (1 x 0.34...2 x 1.5 mm²)
Cable entry	1 entry tapped for M20 x 1.5 cable gland , cable outer diameter: 7...13 mm
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	Plastic
Fixing mode	By the body
Switch actuation	By 30° cam
Contacts insulation form	Zb
Positive opening minimum force	10 N
Minimum force for tripping	6 N
Maximum actuation speed	1 m/s
Contact code designation	AC-15 : A300 (Ue = 240 V , Ie = 3 A), Ithe = 10 A conforming to EN/IEC 60947-5-1 appendix A DC-13 : R300 (Ue = 250 V , Ie = 0.1 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
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947-1 6 kV conforming to IEC 60664
Short circuit protection	10 A cartridge fuse type gG
Electrical durability	5000000 cycles DC-13 (Uc = 24 V), 10 W , operating rate: ≤ 60 cyc/mn , load factor: 0.5 5000000 cycles DC-13 (Uc = 48 V), 7 W , operating rate: ≤ 60 cyc/mn , load factor: 0.5 5000000 cycles DC-13 (Uc = 120 V), 4 W , operating rate: ≤ 60 cyc/mn , load factor: 0.5
Mechanical durability	10000000 cycles
Width	30 mm
Height	65 mm
Depth	30 mm
Product weight	0.145 kg

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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Environment

Shock resistance	50 gn for 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	IP65 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