

XCKS531H29

limit switch XCKS - thermoplastic roller lever -
1NO+1NC - slow-break - M20



Main

Range of product	OsiSense XC
Series name	Standard format
Product or component type	Limit switch
Device short name	XCKS
Sensor design	Form A conforming to CENELEC EN 50041
Body type	Fixed
Head type	Rotary head
Material	Plastic
Fixing mode	By the body
Movement of operating head	Rotary
Type of operator	Thermoplastic spring return roller lever
Type of approach	1 or 2 programmable direction lateral approach
Electrical connection	Screw-clamp terminals , clamping capacity: 1 x 0.5...2 x 2.5 mm ²
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 NO + 1 NC
Contacts operation	Slow-break, break before make
Positive opening	With

Complementary

Body material	Plastic
Head material	Plastic
Switch actuation	By 30° cam
Contacts insulation form	Zb
Number of steps	1
Positive opening minimum torque	0.3 N.m
Minimum torque for tripping	0.15 N.m
Minimum actuation speed	6 m/min
Maximum actuation speed	1.5 m/s
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	40 mm
Height	72.5 mm
Depth	36 mm
Product weight	0.145 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	IP65 conforming to IEC 60529
IK degree of protection	IK03 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	CENELEC EN 50041 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