XCKD2102G11
limit switch XCKD - steel roller plunger - 1NC +1NO - snap - Pg11

Main

Range of product	OsiSense XC
Series name	Standard format
Product or component type	Limit switch
Device short name	XCKD
Sensor design	Compact form C conforming to CENELEC EN 50047
Body type	Fixed
Head type	Plunger head
Material	Metal
Body material	Zamak
Head material	Zamak
Fixing mode	By the body
Movement of operating head	Linear
Type of operator	Spring return roller plunger metal
Type of approach	Lateral approach 2 directions
Number of poles	2
Contacts type and composition	1 NC + 1 NO
Contact operation	Snap action

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Complementary

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Switch actuation	By 30° cam
Electrical connection	Screw-clamp terminals, clamping capacity: 1 x 0.34...2 x 1.5 mm²
Cable entry	1 entry tapped for Pg 11 cable gland
Contacts insulation form	Zb
Positive opening	With
Positive opening minimum force	36 N
Minimum force for tripping	12 N
Maximum actuation speed	0.5 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 60947-5-1 A300, AC-15 (Ue = 240 V, Ie = 3 A) , Ithe = 10 A conforming to IEC 60947-5-1 appendix A Q300, DC-13 (Ue = 250 V, Ie = 0.27 A) conforming to EN 60947-5-1 Q300, DC-13 (Ue = 250 V, Ie = 0.27 A) conforming to IEC 60947-5-1 appendix A
[Ui] rated insulation voltage	300 V conforming to UL 508 500 V degree of pollution 3 conforming to IEC 60947-1 300 V conforming to CSA C22.2 No 14
Resistance across terminals	<= 25 MOhm conforming to IEC 60255-7 category 3
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60664 6 kV conforming to IEC 60947-1
Short-circuit protection	10 A cartridge fuse gG
Electrical durability	5000000 cycles, DC-13, 120 V, 4 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 cycles, DC-13, 24 V, 10 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 cycles, DC-13, 48 V, 7 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C
Mechanical durability	10000000 cycles
Width	31 mm
Height	65 mm
Depth	30 mm
Product weight	0.185 kg
Terminals description ISO n°1	(13-14)NO (21-22)NC

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
IK degree of protection	IK06 conforming to EN 50102
Electrical shock protection class	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	CCC CSA UL
Standards	EN 60204-1 EN 60947-5-1 IEC 60204-1 IEC 60947-5-1 UL 508 CSA C22.2 No 14

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1002 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product end of life instructions	Need no specific recycling operations

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Dimensions
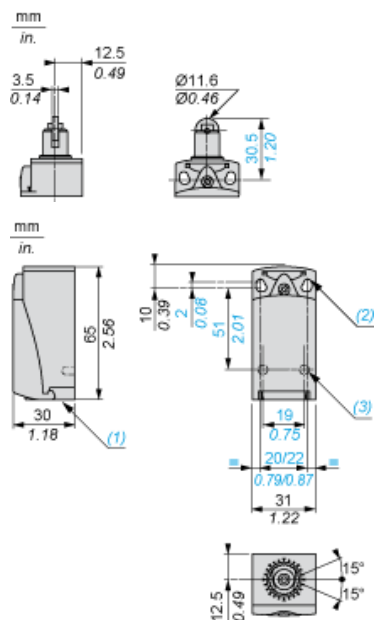
(1)   Tapped entry for Pg 11 cable gland
(2)   2 elongated holes Ø 4.3 x 6.3 mm on 22 mm centres, 2 holes Ø 4.3 on 20 mm centres.
(3)   2 x Ø 3 holes for support studs, depth 4 mm.
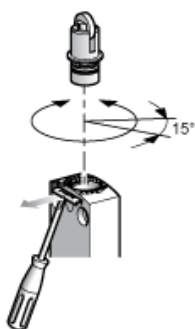
Mounting with Cable Entry

Position of Cable Gland

(1)   Recommended
(2)   To be avoided

Setting-up

Plunger or Multi-directional Heads

Wiring Diagram

2-pole NC + NO Snap Action

Characteristics of Actuation

Switch Actuation by 30° Cam

Functionnal Diagram

(P) Positive opening point
(A) Cam displacement
(1) NC contact with positive opening operation
(2) Closed
(3) Open
(4) Tripping
(5) Resetting