Product data sheet Characteristics

XCKL106

Limit switch, Limit switches XC Standard, XCKL, cats whisker, 1NC+1 NO, snap action, Cable gland



Main

Range of Product	Telemecanique Limit switches XC Standard
Series name	Standard format
Product or Component Type	Limit switch
Device short name	XCKL
Body type	Fixed
Head type	Multi-directional head
Material	Metal
Body material	Zamak
Fixing Mode	By the body
Movement of operating head	Multi-directional
Type of operator	Spring return cat"s whisker
Type of approach	Multi-directional approach
Cable entry	1 metal cable gland entry 0.240.53 in (6 13.5 mm)
Number of poles	2
Contacts type and composition	1 NC + 1 NO
Contact operation	Snap action
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Complementary

Complementary	
Switch actuation	By any moving part
Electrical connection	Screw-clamp terminals 1 x 0.342 x 1.5 mm²
Contacts insulation form	Zb
Number of steps	1
Positive opening	Without
Minimum torque for tripping	1.15 lbf.in (0.13 N.m)
Minimum actuation speed	0.01 m/min
Maximum actuation speed	3.28 ft/s (1 m/s)
Contact code designation	A300, AC-15 (Ue = 240 V), le = 3 A IEC 60947-5-1 appendix A Q300, DC-13 (Ue = 250 V), le = 0.27 A IEC 60947-5-1 appendix A
[Ithe] conventional enclosed thermal current	10 A AC
[Ui] rated insulation voltage	300 VUL 508 500 V 3)IEC 60947-1 300 VCSA C22.2 No 14
Maximum resistance across terminals	25 MOhm IEC 60255-7 category 3
[Uimp] rated impulse withstand voltage	6 KV IEC 60664 6 kV IEC 60947-1
Short-circuit protection	10 A cartridge fuse gG
Electrical durability	5000000 Cycles, DC-13, inductive, 120 V, 4 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C 5000000 Cycles, DC-13, inductive, 24 V, 7 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C 5000000 cycles, DC-13, inductive, 48 V, 10 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C
Mechanical durability	10000000 cycles
Width	2.05 in (52 mm)
Height	2.83 in (72 mm)
Depth	1.18 in (30 mm)

Net Weight	0.56 lb(US) (0.255 kg)
Terminals description ISO n°1	(21-22)NC (13-14)NO

Environment

Shock resistance	50 gn 11 ms IEC 60068-2-27
Vibration resistance	25 gn 10500 Hz)IEC 60068-2-6
IP degree of protection	IP66 conforming to IEC 60529
IK degree of protection	IK05 conforming to IEC 62262
Electrical shock protection class	Class I IEC 61140 Class I NF C 20-030
Ambient Air Temperature for Operation	-13158 °F (-2570 °C)
Ambient Air Temperature for Storage	-40158 °F (-4070 °C)
Protective treatment	TC
Product Certifications	CSA[RETURN]UL
Standards	IEC 60204-1 UL 508 IEC 60947-5-1 IEC 60947-5-1 CSA C22.2 No 14 IEC 60204-1

Ordering and shipping details

Category	US1000T22416
Discount Schedule	000T
GTIN	3389110646511
Returnability	Yes
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.34 in (3.400 cm)
Package 1 Width	2.44 in (6.200 cm)
Package 1 Length	8.35 in (21.200 cm)
Package 1 Weight	9.24 oz (262.000 g)
Unit Type of Package 2	S01
Number of Units in Package 2	8
Package 2 Height	5.91 in (15.000 cm)
Package 2 Width	5.91 in (15.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	4.89 lb(US) (2.220 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
Circularity Profile	No need of specific recycling operations
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

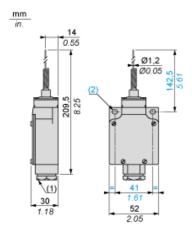
Warranty	18 months



Product data sheet **Dimensions Drawings**

XCKL106

Dimensions

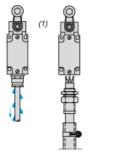


- (1) Pg 13.5 cable gland Ø: 2 elongated holes Ø 5.2 x 6.2

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Mounting with Cable Entry

Position of Cable Gland





- (1) (2) Recommended
- To be avoided

Product data sheet Connections and Schema

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Wiring Diagram

2-pole NC + NO Snap Action



Product data sheet **Technical Description**

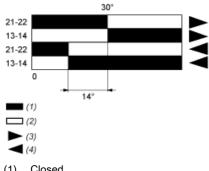
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Characteristics of Actuation

Switch Actuation by Any Moving Part



Functionnal Diagram



- (1) Closed
- (2) Open
- Tripping
- Resetting