

Product data sheet

Characteristics

XCKM106H7

limit switch XCKM - cats whisker - 1NC+1NO - snap action - 1/2NPT

Product availability : Non-Stock - Not normally stocked in distribution facility



Price* : 104.00 USD



Main

Range of product	OsiSense XC
Series name	Standard format
Product or component type	Limit switch
Device short name	XCKM
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	3 entries tapped for 1/2" NPT cable gland
Number of poles	2
Contacts type and composition	1 NC + 1 NO
Contact operation	Snap action

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Complementary

Switch actuation	By any moving part
Electrical connection	Screw-clamp terminals 1 x 0.34...2 x 1.5 mm ²
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

* Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Maximum actuation speed	3.28 ft/s (1 m/s)
Contact code designation	A300, AC-15 (Ue = 240 V), Ie = 3 A EN/IEC 60947-5-1 appendix A Q300, DC-13 (Ue = 250 V), Ie = 0.27 A EN/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	2.52 in (64 mm)
Height	2.52 in (64 mm)
Maximum Depth	1.18 in (30 mm)
Terminals description ISO n°1	(21-22)NC (13-14)NO

Environment

Shock resistance	50 gn 11 ms EN/IEC 60068-2-27
Vibration resistance	25 gn 10...500 Hz)EN/IEC 60068-2-6
IP degree of protection	IP66 EN/IEC 60529
IK degree of protection	IK05 EN 50102
Electrical shock protection class	Class I IEC 61140 Class I NF C 20-030
Ambient air temperature for operation	-13...158 °F (-25...70 °C)
Ambient air temperature for storage	-40...158 °F (-40...70 °C)
Protective treatment	TC
Product certifications	CSA UL CCC
Standards	EN 60947-5-1 EN 60204-1 IEC 60204-1 IEC 60947-5-1 UL 508 CSA C22.2 No 14

Ordering and shipping details

Category	22416 - LIMIT SWITCHES,IEC,XCKL
Discount Schedule	T
GTIN	00785901923121
Nbr. of units in pkg.	1
Package weight(Lbs)	0.7 lb(US) (0.32 kg)
Returnability	No
Country of origin	FR

Packing Units

Package 1 Height	0.010 dm
Package 1 width	0.010 dm
Package 1 Length	0.020 dm

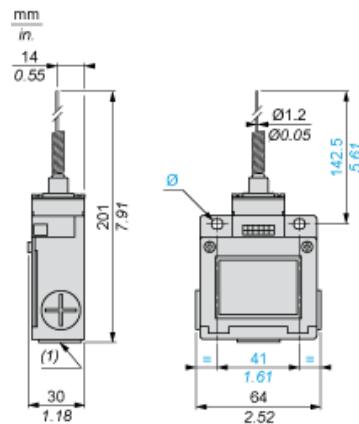
Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP) and Diisobutyl phthalate (DINP) which is known to the State of California to cause Carcinogen and Reproductive harm. For more information go to www.p65warnings.ca.gov
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile

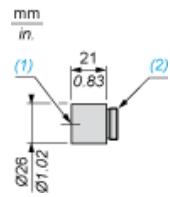
Contractual warranty

Warranty	18 months
----------	-----------

Dimensions



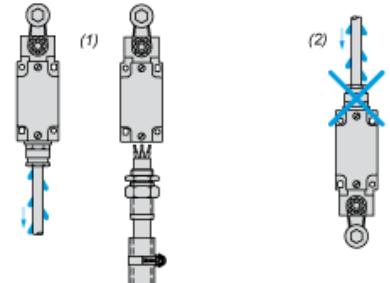
(1) Tapped entry for 1/2" NPT
Ø : 2 elongated holes Ø 5.2 x 6.2



(1) Tapped entry for 1/2" NPT conduit
(2) Pg 11 threaded sleeve

Mounting with Cable Entry

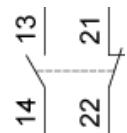
Position of Cable Gland



(1) Recommended
(2) To be avoided

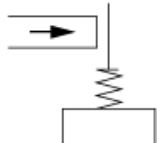
Wiring Diagram

2-pole NC + NO Snap Action

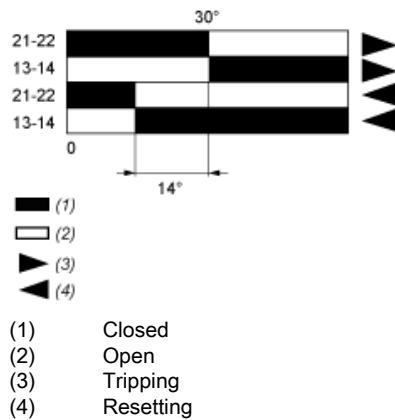


Characteristics of Actuation

Switch Actuation by Any Moving Part



Functional Diagram



XCKM106H7 is replaced by the following group of products:



Classic range ZCKD06
limit switch head ZCKD - cat's whisker with
Qty 1



Classic range ZCKM1H7
limit switch body ZCKM - 1NC+1NO - snap action - 1/2"NPT
Qty 1

Reason for Substitution: End of life | Substitution date: 01 January 2017