

Product data sheet

XCKD2106M12

Limit switch XCKD, cat's whisker, 1NC+1NO, snap action, M12 connector

Main

Range of product	Telemecanique Limit switches XC Standard
Series name	Standard format
Product or component type	Limit switch
Device short name	XCKD
Sensor design	Compact
Device presentation	Complete product
ETIM classification	ETIM 9 - EC000030 - End switch
Body type	Fixed
Head type	Multi-directional head
Material	Metal
Body material	Zamak
Head material	Zamak
Fixing mode	By the body
Movement of operating head	Multi-directional
Type of operator	Spring return cat"s whisker
Switch actuation	By any moving part
Type of approach	Multi-directional approach
Number of poles	2
Product certifications	CCC CSA UL
Standards	CSA C22.2 No 14 IEC 60204-1 IEC 60947-5-1 UL 508
Indivisible sale quantity	1

Complementary

Mechanical durability	5000000 cycles
Minimum torque for tripping	0.13 N.m
Maximum actuation speed	1 m/s
Repeat accuracy	0.1 mm on the tripping points with 1 million operating cycles

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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Electrical durability	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
Electrical connection	Male connector M12, 5 pins
Positive opening	Without
Contacts insulation form	Zb
Contacts type and composition	1 NC + 1 NO
Terminals description ISO n°1	(13-14)NO (21-22)NC
Contact operation	Snap action
[Uimp] rated impulse withstand voltage	0.8 kV conforming to IEC 60664, 0.8 kV conforming to IEC 60947-1
[Ui] rated insulation voltage	60 V (pollution degree 3) conforming to IEC 60947-1
[Ie] rated operational current	3 A at 50 V, AC-15 conforming to IEC 60947-5-1 appendix A, 0.27 A at 50 V, DC-13 conforming to IEC 60947-5-1 appendix A
[Ithe] conventional enclosed thermal current	4 A
Resistance across terminals	25 MOhm conforming to IEC 60255-7 category 3
Electrical shock protection class	Class I conforming to IEC 61140, class I conforming to NF C 20-030
Short-circuit protection	4 A cartridge fuse, type gG
Width	31 mm
Depth	30 mm
Product weight	0.185 kg

Environment

IK degree of protection	IK06 conforming to IEC 62262
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-40…70 °C
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
Protective treatment	TC

Offer Sustainability

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

Warranty

Warranty	18 months

Packing Units

Country of origin	ID (Indonesia)

Unit type of package 1	PCE
Number of units in package 1	1
New Package 1 GTIN-13	3666916094877
Package 1 height	3.3 cm
Package 1 width	6.35 cm
Package 1 length	14.73 cm
Package 1 weight	0.185 kg
Unit type of package 2	S01
Number of units in package 2	5
New Package 2 GTIN 14	13666916094874
Package 2 height	15 cm
Package 2 width	15 cm
Package 2 length	40 cm
Package 2 weight	1.125 kg
Unit type of package 3	CAR
Number of units in package 3	1
New Package 3 GTIN 14	23666916094871
Package 3 height	3.3 cm
Package 3 width	3.6 cm
Package 3 length	21.2 cm
Package 3 weight	0.18 kg