

Product data sheet

XCMH2106L1

Limit switch XCMH, plastic, cat's whisker, 1NC+1NO, snap action

Main

Range of product	Telemecanique Limit switches XC Standard
Series name	Standard format
Product or component type	Limit switch
Device short name	XCMH
Sensor design	Miniature
ETIM classification	ETIM 9 - EC000030 - End switch
Body type	Fixed
Head type	Multi-directional head
Material	Plastic
Body material	Plastic
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 force for tripping	0.1 N
Maximum actuation speed	1 m/s
Contact code designation	C300, AC-15 (Ue = 240 V), Ie = 0.75 A conforming to IEC 60947-5-1 appendix A, R300, DC-13 (Ue = 250 V), Ie = 0.1 A conforming to IEC 60947-5-1 appendix A

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, 120 V, 1 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C, 5000000 cycles, DC-13, 24 V, 3 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C, 5000000 cycles, DC-13, 48 V, 2 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C
Electrical connection	Fixed cable
Cable length	1 m
Cable composition	4 x 0.34 mm²
Wire insulation material	PvR
Positive opening	Without
Contacts insulation form	Zb
Contacts type and composition	1 NC + 1 NO
Contact operation	Snap action
[Uimp] rated impulse withstand voltage	4 kV conforming to IEC 60664, 4 kV conforming to IEC 60947-1
[Ui] rated insulation voltage	300 V (pollution degree 3) conforming to UL 508, 300 V (pollution degree 3) conforming to IEC 60947-5-1, 300 V (pollution degree 3) conforming to CSA C22.2 No 14
Resistance across terminals	25 MOhm conforming to IEC 60255-7 category 3
Electrical shock protection class	Class II conforming to IEC 61140, class II conforming to NF C 20-030
Short-circuit protection	6 A cartridge fuse, type gG
Width	30 mm
Depth	16 mm
Product weight	0.08 kg

Environment

IK degree of protection	IK04 conforming to IEC 62262
IP degree of protection	IP66 conforming to IEC 60529, IP67 conforming to IEC 60529
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-40…70 °C
Shock resistance	25 gn for 18 ms conforming to IEC 60068-2-27
Vibration resistance	5 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

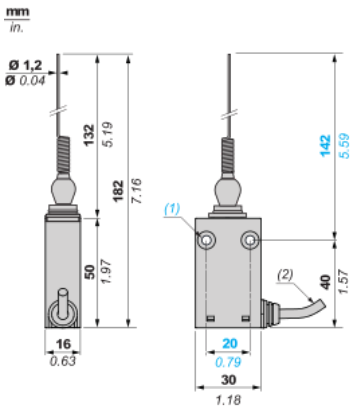
Country of origin	ID (Indonesia)

Unit type of package 1	PCE
Number of units in package 1	1
New Package 1 GTIN-13	3666916051276
Package 1 height	2 cm
Package 1 width	14 cm
Package 1 length	19 cm
Package 1 weight	0.068 kg
Unit type of package 2	S02
Number of units in package 2	30
New Package 2 GTIN 14	13666916051273
Package 2 height	15 cm
Package 2 width	30 cm
Package 2 length	40 cm
Package 2 weight	2.61 kg
Unit type of package 3	P06
Number of units in package 3	480
New Package 3 GTIN 14	23666916051270
Package 3 height	75 cm
Package 3 width	60 cm
Package 3 length	80 cm
Package 3 weight	114.45 kg

Technical Drawings

Dimensions

Dimensions

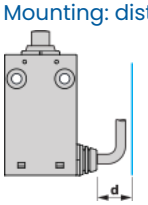


(1)
(2)

Mounting and Clearance

Mounting and Clearance

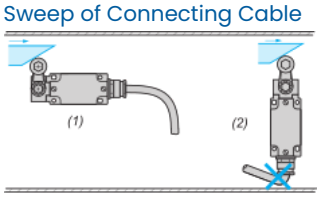
Mounting: distance required for connection



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Mounting and Clearance

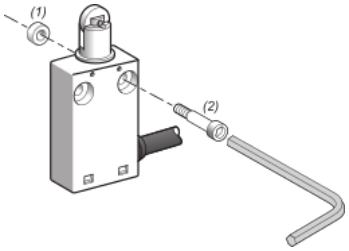
Sweep of Connecting Cable



(1) :
(2) :

Mounting and Clearance

Mounting with Spacers

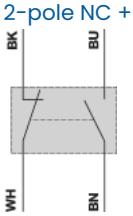


(1) :
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Wiring diagram

Wiring diagram

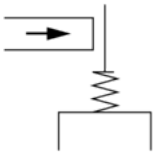
2-pole NC + NO snap action



(BK)
(WH)
(BN)
(BU)

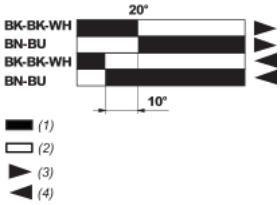
Characteristics of Actuation

Switch Actuation by Any Moving Part



Functional Diagram

Functional Diagram



(1)
(2)
(3)
(4)
(BK)
(BK-WH)
(BN)
(BU)