XCMH2159L1

XCMH Limit Switches Miniature Plastic Plastic rod NC + NO Snap L1



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
Body type	Fixed
Head type	Rotary head
Material	Plastic
Body material	Plastic
Head material	Zamak
Fixing mode	By the body
Movement of operating head	Rotary
Type of operator	Spring return round rod lever thermoplastic round rod 6 mm, L = 200 mm
Type of approach	Lateral approach
Number of poles	2
Contacts type and composition	1 NC + 1 NO
Contact operation	Snap action

Complementary

Complementary	
Switch actuation	By any moving part
Electrical connection	Fixed cable
Cable length	1 m
Cable composition	4 x 0.34 mm ²
Wire insulation material	PvR
Contacts insulation form	Zb
Positive opening	Without
Minimum force for tripping	0.1 N
Maximum actuation speed	1.5 m/s
Contact code designation	C300, AC-15 (Ue = 240 V), le = 0.75 A conforming to IEC 60947-5-1 appendix A R300, DC-13 (Ue = 250 V), le = 0.1 A conforming to IEC 60947-5-1 appendix A
[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
Maximum resistance across terminals	25 MOhm conforming to IEC 60255-7 category 3
[Uimp] rated impulse withstand voltage	4 KV conforming to IEC 60664 4 kV conforming to IEC 60947-1
Short-circuit protection	6 A cartridge fuse, type gG
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
Mechanical durability	5000000 cycles
Width	30 mm
Height	232 mm

gn for 18 ms conforming to IEC 60068-2-27 n (f= 10500 Hz) conforming to IEC 60068-2-6 conforming to IEC 60529 conforming to IEC 60529 conforming to IEC 60529 conforming to IEC 61140 ss II conforming to NF C 20-030 70 °C RETURN]CCC[RETURN]CSA 508 A C22.2 No 14 60947-5-1 60204-1
fr (f= 10500 Hz) conforming to IEC 60068-2-6 conforming to IEC 60529 conforming to IEC 60529 deconforming to IEC 62262 ss II conforming to IEC 61140 ss II conforming to NF C 20-03070 °C70 °C70 °C RETURN]CCC[RETURN]CSA 508 A C22.2 No 14 60947-5-1 60204-1
fr (f= 10500 Hz) conforming to IEC 60068-2-6 conforming to IEC 60529 conforming to IEC 60529 deconforming to IEC 62262 ss II conforming to IEC 61140 ss II conforming to NF C 20-03070 °C70 °C70 °C RETURN]CCC[RETURN]CSA 508 A C22.2 No 14 60947-5-1 60204-1
fr (f= 10500 Hz) conforming to IEC 60068-2-6 conforming to IEC 60529 conforming to IEC 60529 deconforming to IEC 62262 ss II conforming to IEC 61140 ss II conforming to NF C 20-03070 °C70 °C70 °C RETURN]CCC[RETURN]CSA 508 A C22.2 No 14 60947-5-1 60204-1
6 conforming to IEC 60529 7 conforming to IEC 60529 4 conforming to IEC 62262 8 II conforming to NF C 20-03070 °C70 °C RETURN]CCC[RETURN]CSA 508 A C22.2 No 14 60947-5-1 60204-1
7 conforming to IEC 60529 4 conforming to IEC 62262 ss II conforming to NF C 20-03070 °C70 °C RETURN]CCC[RETURN]CSA 508 A C22.2 No 14 60947-5-1 60204-1
ss II conforming to IEC 61140 ss II conforming to NF C 20-03070 °C70 °C70 °C RETURN]CCC[RETURN]CSA 508 A C22.2 No 14 60947-5-1 60204-1
ss II conforming to NF C 20-03070 °C70 °C RETURN]CCC[RETURN]CSA 508 A C22.2 No 14 60947-5-1 60204-1
70 °C RETURN]CCC[RETURN]CSA 508 A C22.2 No 14 60947-5-1 60204-1
RETURN]CCC[RETURN]CSA 508 A C22.2 No 14 60947-5-1 60204-1
508 A C22.2 No 14 60947-5-1 60204-1
508 A C22.2 No 14 60947-5-1 60204-1
A C22.2 No 14 60947-5-1 60204-1
00 cm
000 cm
000 cm
.000 g
000 cm
000 cm
000 cm
22 kg
product must be disposed on European Union markets following specific te collection and never end up in rubbish bins
RNING: This product can expose you to chemicals including: Diisononyl nalate (DINP), which is known to the State of California to cause cancer, Di-isodecyl phthalate (DIDP), which is known to the State of California ause birth defects or other reproductive harm. For more information go to w.P65Warnings.ca.gov
ainability@tesensors.com
e s tr d



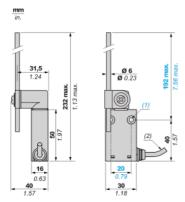
18 months

Warranty

Product data sheet Dimensions Drawings

XCMH2159L1

Dimensions



- (1) 2 fixing holes Ø 4.2 mm (0.16 in.), counterbored Ø 8 mm by 4 mm deep (counterbored Ø 0.32 in. by 0.16 in. deep).
- (2) Cable external diameter: 4.2 mm (0.16 in.)

XCMH2159L1

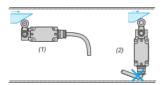
Mounting and Clearance

Mounting: distance required for connection



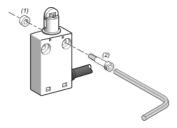
d: min.15 mm/min.0.59 in.

Sweep of Connecting Cable



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

Mounting with Spacers



(1): 2 spacers supplied with the switch(2): 2 screws Ø 4mm (not included)

Product data sheet Connections and Schema

XCMH2159L1

Wiring diagram

2-pole NC + NO snap action



(BK) Black

(WH) White

(BN) Brown

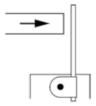
(BU) Blue

Product data sheet Technical Description

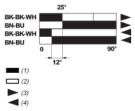
XCMH2159L1

Characteristics of Actuation

Switch Actuation by Any Moving Part



Functional Diagram



- (1) Closed
- (2) Open
- (3) Tripping
- (4) Resetting
- (BK) Black
- (BK-WH) Black White
- (BN) Brown
- (BU) Blue