Product data sheet
Characteristics

XCMN2107L2
limit switch XCMN - metal end plunger - 1NC +1NO - snap - 2 m

Green Premium

Product Life Status : END OF COMMERCIALIZATION

TODAY
FEB 21, 2021

End of Commercialization
NOV 03, 2020

End of Standard Service
NOV 30, 2021



Main

Range of product	Telemecanique Limit switches XC Standard
Series name	Standard format
Product or component type	Limit switch
Device short name	XCMN
Sensor design	Miniature
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 spring rod with thermoplastic end
Type of approach	Multi-directional approach
Number of poles	2
Contacts type and composition	1 NC + 1 NO
Contact operation	Snap action

Product Life Status : END OF COMMERCIALIZATION

FEB 21, 2021

End of Commercialization
NOV 03, 2020

End of Standard Service
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Complementary

Switch actuation	By any moving part
Electrical connection	Fixed cable
Cable length	2 m
Cable composition	4 x 0.75 mm²
Wire insulation material	PvR
Contacts insulation form	Zb
Positive opening	Without
Minimum force for tripping	0.1 N
Maximum actuation speed	1 m/s

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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Contact code designation	B300, AC-15 (Ue = 240 V), Ie = 1.5 A conforming to EN/IEC 60947-5-1 appendix A R300, DC-13 (Ue = 250 V), Ie = 0.1 A conforming to EN/IEC 60947-5-1 appendix A
[Ui] rated insulation voltage	300 V (pollution degree 3) conforming to UL 508 400 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 IEC 60664 4 kV 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	168 mm
Depth	16 mm
Net weight	0.085 kg

Environment

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
IP degree of protection	IP65 conforming to IEC 60529
IK degree of protection	IK04 conforming to EN 50102
Electrical shock protection class	Class II conforming to IEC 61140 Class II conforming to NF C 20-030
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-40…70 °C
Protective treatment	TC
Product certifications	CSA CCC UL
Standards	EN/IEC 60204-1 CSA C22.2 No 14 UL 508 EN/IEC 60947-5-1

Packing Units

Package 1 Weight	0.179 kg
Package 1 Height	0.330 dm
Package 1 width	1.400 dm
Package 1 Length	1.300 dm

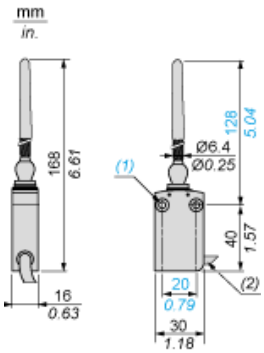
Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
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
Circularity Profile	End of Life Information

Contractual warranty

Warranty	18 months

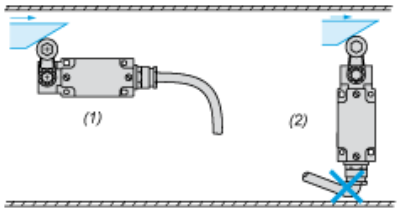
Dimensions



(1) 2 fixing holes Ø 4.2 mm, counterbored Ø 8 mm by 4 mm deep.
(2) External diameter 7.5 mm.

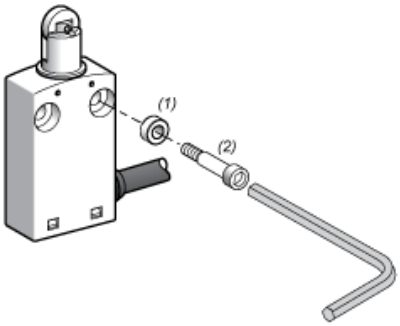
Mounting

Sweep of Connecting Cable



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

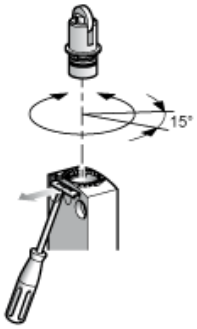
Mounting with Spacers



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

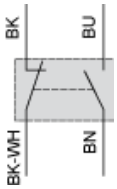
Setting-up

Plunger or Multi-directional Heads



Wiring diagram

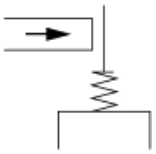
2-pole NC + NO Snap Action



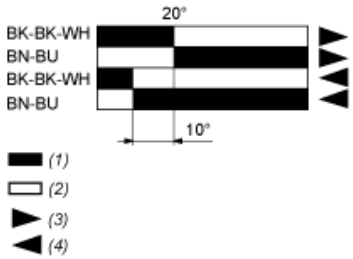
(BK) Black
(BK-WH) Black White
(BN) Brown
(BU) Blue

Characteristics of Actuation

Switch Actuation by Any Moving Part



Functionnal Diagram



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