XCMN21F2L2

Limit switch, Limit switches XC Standard, XCMN, M12 steel roller plunger, 1NC+1 NO, snap, 2 m





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	M12 plunger head
Material	Plastic
Body material	Plastic
Head material	Zamak
Fixing mode	By the head
Movement of operating head	Linear
Type of operator	Spring return roller plunger metal
Type of approach	Lateral approach, 2 directions
Number of poles	2
Contacts type and composition	1 NC + 1 NO
Contact operation	Snap action

Complementary

By 30° cam
Fixed cable
2 m
4 x 0.75 mm²
PvR
Zb
With
35 N
7 N
10 cm/s
B300, AC-15 (Ue = 240 V), le = 1.5 A conforming to EN/IEC 60947-5-1 appendix A R300, DC-13 (Ue = 250 V), le = 0.1 A conforming to EN/IEC 60947-5-1 appendix A
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
25 MOhm conforming to IEC 60255-7 category 3
4 KV conforming to IEC 60664 4 kV conforming to IEC 60947-1
6 A cartridge fuse, type gG
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	88 mm
Depth	16 mm
Net weight	0.095 kg

Environment

Shock resistance	25 gn for 18 ms conforming to IEC 60068-2-27	
Vibration resistance	5 gn (f= 10500 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	-2570 °C	
Ambient air temperature for storage	-4070 °C	
Protective treatment	TC	
Product certifications	CCC UL CSA	
Standards	CSA C22.2 No 14 EN/IEC 60204-1 UL 508 EN/IEC 60947-5-1	

Packing Units

r doking office	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.0 cm
Package 1 Width	14.0 cm
Package 1 Length	18.0 cm
Package 1 Weight	200.0 g
Unit Type of Package 2	PAL
Number of Units in Package 2	320
Package 2 Height	60.0 cm
Package 2 Width	80.0 cm
Package 2 Length	320.0 cm
Package 2 Weight	65.28 kg
Unit Type of Package 3	S03
Number of Units in Package 3	40
Package 3 Height	30.0 cm
Package 3 Width	30.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	8.636 kg

Offer Sustainability

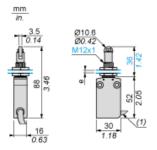
Sustainable offer status	Green Premium product
REACh Regulation	☑ REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	₫Yes
Environmental Disclosure	[☑] Product Environmental Profile
Circularity Profile	End Of Life Information

Warranty 18 months

Product data sheet Dimensions Drawings

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Dimensions

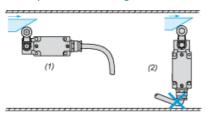


- (1) External diameter 7.5 mm.
- e: 8 mm max, panel cut-out Ø 12.5 mm. Fixing nut thickness 3.5 mm.

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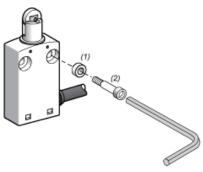
Mounting

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)

Panel Mounting

Mounting and Fixing Limit Switches by the Head



(1) Recommended

(2) Forbidden

Setting-up

Plunger or Multi-directional Heads

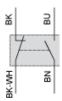


Product data sheet Connections and Schema

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Wiring diagram

2-pole NC + NO Snap Action



(BK) Black

(BK- Black White WH)

(BN) Brown

(BU) Blue

Product data sheet **Technical Description**

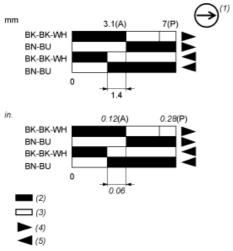
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Characteristics of Actuation

Switch Actuation by 30° Cam



Functionnal Diagram



- (P) Positive opening point
- (A) Cam displacement
- (1) NC contact with positive opening operation
- (2) Closed
- Open
- (4) Tripping
- (5) Resetting
- (BK) Black
- (BK- Black White
- ÙΗ)
- (BN) Brown
- (BU) Blue