XCMD3902L2

limit switch XCMD - steel roller plunger - 2NC +1NO - snap - 2 m





Main

Range of product	Telemecanique Limit switches XC Standard
Series name	Standard format
Product or component	Limit switch
type	
Device short name	XCMD
Sensor design	Miniature
Body type	Fixed
Head type	Plunger head
Material	Metal
Body material	Zamak
Head material	Zamak
Fixing mode	By the body
Movement of operating	Linear
head	
Type of operator	Spring return roller plunger metal
Type of approach	Lateral approach, 2 directions
Number of poles	3
Contacts type and composition	2 NC + 1 NO
Contact operation	Snap action

Complementary

Complementary	
Switch actuation	By 30° cam
Electrical connection	Removable cable connector
Cable length	2 m
Cable composition	7 x 0.5 mm²
Wire insulation material	PvR
Contacts insulation form	Zb
Positive opening	With
Positive opening minimum force	35 N
Minimum force for tripping	7 N
Minimum actuation speed	0.01 m/min
Maximum actuation speed	0.5 m/s
Contact code designation	R300, DC-13 (Ue = 250 V), Ie = 0.1 A conforming to EN/IEC 60947-5-1 appendix A C300, AC-15 (Ue = 240 V), Ie = 0.75 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	10000000 cycles
Width	30 mm
Height	50 mm
Depth	16 mm
Net weight	0.185 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	IP66 conforming to IEC 60529 IP67 conforming to IEC 60529 IP68 conforming to IEC 60529	
IK degree of protection	IK06 conforming to EN 62262	
Overvoltage category	Class I conforming to IEC 61140 Class I 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	CSA UL CCC	
Standards	UL 508 EN/IEC 60204-1 EN/IEC 60947-5-1 CSA C22.2 No 14	

Packing Units

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Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Weight	208 g	
Package 1 Height	2 cm	
Package 1 width	12 cm	
Package 1 Length	12 cm	

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

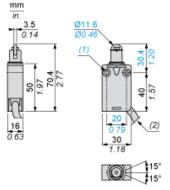
Contractad Warranty		
Warranty	18 months	



Product data sheet **Dimensions Drawings**

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Dimensions

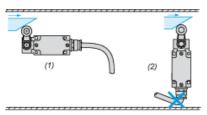


- 2 fixing holes Ø 4.2 mm, counterbored Ø 8 mm by 4 mm deep. External diameter of cable 7.5 mm.

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Mounting

Sweep of Connecting Cable



(1) Recommended

To be avoided

Setting-up

Plunger or Multi-directional Heads

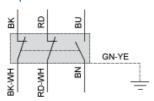


Product data sheet Connections and Schema

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Wiring Diagram

3-pole NC + NC + NO Snap Action



(BK) Black

(BK- Black White

WH)

(RD) Red (RD- Red White

WH)

(BU) Blue

(BN) Brown

(GN- Green Yellow

YE)

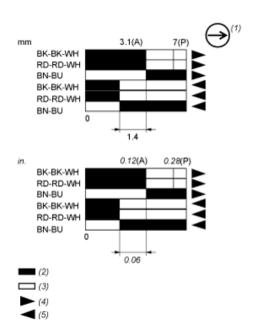
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Characteristics of Actuation

Switch Actuation by 30° Cam



Functional Diagram



- Positive opening point
- Cam displacement
- (1) (2) NC contact with positive opening operation
- Closed
- (3) (4) (5) Open
- Tripping
- Resetting
- (BK) Black
- (WH) White
- (BK) Black
- (BK- Black White
- WH)
- (RD) Red
- (RD- Red White
- WH)
- (BN) Brown
- (BU) Blue