

## Product data sheet Characteristics

## XCMD2126L5

# limit switch XCMD - steel roller lever - 1NC +1NO - snap - 5 m

Important message: We have updated the process for ordering Telemecanique Sensors products. For more information, please contact your Telemecanique Sensors representative in the UK&I at: UK.salesorders@tesensors.comYou can find all product information on the Telemecanique Sensors website: www.tesensors.com/uk/en

EAN Code: 3389119019415



#### Main

Range of product	Telemecanique Limit switches XC Standard	
Series name	Standard format	
Product or component type	Limit switch	
Device short name	XCMD	
Sensor design	Miniature	
Body type	Fixed	
Head type	Rotary head	
Material	Metal	
Body material	Zamak	
Head material	Zamak	
Fixing mode	By the body	
Movement of operating head	Rotary	
Type of operator	Spring return roller lever 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

Complementary	
Tracks	16/39 mm
Switch actuation	By 30° cam
Electrical connection	Removable cable connector
Cable length	5 m
Cable composition	5 x 0.75 mm²
Wire insulation material	PvR
Contacts insulation form	Zb
Positive opening	With
Positive opening minimum force	0.5 N
Minimum force for tripping	0.1 N
Maximum actuation speed	1.5 m/s
Contact code designation	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
[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 conforming to IEC 60664 4 kV conforming to IEC 60947-1

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 of these products for specific user applications. This characteristic is not integrated to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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	0.13 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[RETURN]UL[RETURN]CCC	
Standards	EN/IEC 60947-5-1 UL 508 CSA C22.2 No 14 EN/IEC 60204-1	

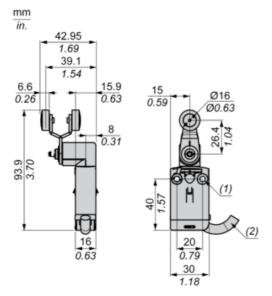
## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

#### Contractual warranty

Warranty	18 months	

#### **Dimensions**

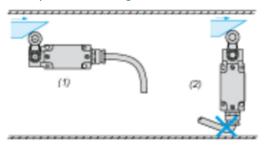


- (1) 2 fixing holes  $\varnothing$  4.2 mm, counterbored  $\varnothing$  8 mm by 4 mm deep.
- (2) External diameter of cable 7.5 mm.

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#### Mounting

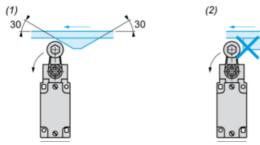
#### Sweep of Connecting Cable



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

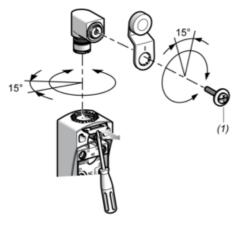
#### Mounting with Rotary Heads and Levers

#### Type of Cam



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

#### Setting-up with Head ZCE01 and ZCE09

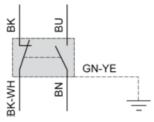


(1) Tightening torque (Min: 1) (Max: 1.5)

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## Wiring Diagram

## 2-pole NC + NO Snap Action



(BK) Black

(BK-WH) Black White

(BU) Blue

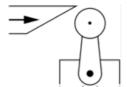
(BN) Brown

(GN-YE) Green Yellow

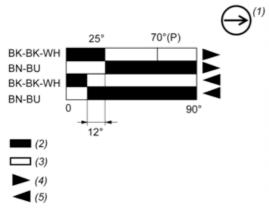
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#### **Characteristics of Actuation**

#### Switch Actuation by 30° Cam



#### **Functional Diagram**



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