

Product data sheet Characteristics

XCMD2145L1

limit switch XCMD - th.plastic roller lever var.length - 1NC+1NO - snap - 1 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 Local distributor code: 389550828 EAN Code: 3389110218459



Main

Telemecanique Limit switches XC Standard	
Standard format	
Limit switch	
XCMD	
Miniature	
Fixed	
Rotary head	
Metal	
Zamak	
Zamak	
By the body	
Rotary	
Spring return roller lever thermoplastic variable length	
Lateral approach, 2 directions	
2	
1 NC + 1 NO	
Snap action	

Complementary

Switch actuation	By 30° cam	
Electrical connection	Removable cable connector	
Cable length	1 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 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 508 400 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 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: 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	0.23 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 IEC 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	CCC[RETURN]CSA[RETURN]UL	
Standards	CSA C22.2 No 14 IEC 60204-1 UL 508 IEC 60947-5-1	

Packing Units

Facking Units	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.0 cm
Package 1 Width	16.0 cm
Package 1 Length	10.5 cm
Package 1 Weight	218.0 g
Unit Type of Package 2	PAL
Number of Units in Package 2	400
Package 2 Height	60.0 cm
Package 2 Width	80.0 cm
Package 2 Length	400.0 cm
Package 2 Weight	88.0 kg
Unit Type of Package 3	S03
Number of Units in Package 3	50
Package 3 Height	30.0 cm
Package 3 Width	30.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	11.484 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) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	€Yes

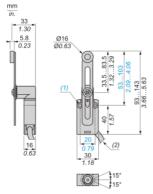
Contractual warranty

Warranty	18 months	

Product data sheet Dimensions Drawings

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Dimensions

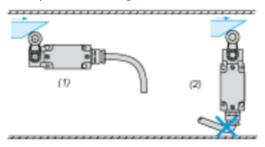


- (1) 2 fixing holes \varnothing 4.2 mm, counterbored \varnothing 8 mm by 4 mm deep.
- (2) External diameter of cable 7.5 mm.

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Mounting

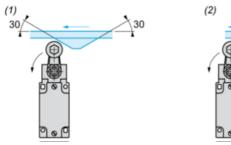
Sweep of Connecting Cable



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

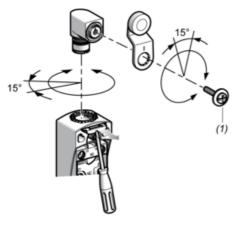
Mounting with Rotary Heads and Levers

Type of Cam



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

Setting-up with Head ZCE01 and ZCE09

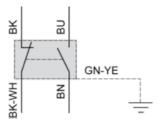


(1) Tightening torque (Min: 1) (Max: 1.5)

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Wiring Diagram

2-pole NC + NO Snap Action



(BK) Black

(BK-WH) Black White

(BU) Blue

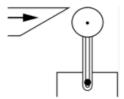
(BN) Brown

(GN-YE) Green Yellow

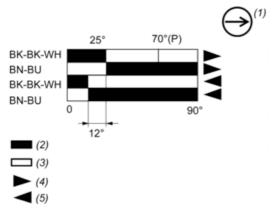
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Characteristics of Actuation

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