XCMD4110L5EX

Limit switch, Limit switches XC Standard, XCMD, plunger, 2NC + 2 NO, ATEX/IECEx



Main

Series name Standard format Product or Component Type Device short name XCMD Sensor design Miniature Body type Fixed Head type Plunger head Material Metal Fixing Mode By the body Movement of operating head Type of operator Spring return plunger metal Switch actuation On end Type of approach Vertical approach, 1 direction Electrical connection Fixed cable Number of poles 4 Contacts type and composition Contacts insulation form Zb Contact operation Number of steps 1 Positive opening Minimum force for tripping Maximum actuation speed IP degree of protection IP66 conforming to IEC 60529 IP67 conforming to IEC 60529 IP67 conforming to IEC 60529 IP67 conforming to IEC 60529	Range of Product	Telemecanique Limit switches XC Standard
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Type of approach Electrical connection Fixed cable Number of poles 4 Contacts type and composition Contacts insulation form Zb Contact operation Number of steps 1 Positive opening Minimum force for tripping Maximum actuation speed IP degree of protection Vertical approach, 1 direction Fixed cable 4 Contact oples 4 Contact NC + 1 NO) Snap action With Minimum force for tripping Maximum actuation speed IP 66 conforming to IEC 60529	Type of operator	Spring return plunger metal
Electrical connection Fixed cable Number of poles 4 Contacts type and composition Contacts insulation form Zb Contact operation Snap action Number of steps 1 Positive opening With Minimum force for tripping Maximum actuation speed IP degree of protection IP66 conforming to IEC 60529	Switch actuation	On end
Number of poles 4 Contacts type and 2 x (1 NC + 1 NO) Contacts insulation form Zb Contact operation Snap action Number of steps 1 Positive opening With Minimum force for tripping Maximum actuation speed IP degree of protection IP66 conforming to IEC 60529	Type of approach	Vertical approach, 1 direction
Contacts type and composition Contacts insulation form Zb Contact operation Number of steps 1 Positive opening Minimum force for tripping Maximum actuation speed IP degree of protection 2 x (1 NC + 1 NO) Snap action With 8.5 N Total Substitute of the	Electrical connection	Fixed cable
composition Contacts insulation form Zb Contact operation Snap action Number of steps 1 Positive opening With Minimum force for tripping Maximum actuation speed IP degree of protection IP66 conforming to IEC 60529	Number of poles	4
Contact operation Snap action Number of steps 1 Positive opening With Minimum force for tripping Maximum actuation speed IP degree of protection IP66 conforming to IEC 60529		2 x (1 NC + 1 NO)
Number of steps 1 Positive opening With Minimum force for tripping Maximum actuation speed IP degree of protection IP66 conforming to IEC 60529	Contacts insulation form	Zb
Positive opening With Minimum force for tripping Maximum actuation speed IP degree of protection IP66 conforming to IEC 60529	Contact operation	Snap action
Minimum force for tripping Maximum actuation speed IP degree of protection Minimum force for tripping 1.64 ft/s (0.5 m/s) IP66 conforming to IEC 60529	Number of steps	1
tripping Maximum actuation speed IP degree of protection IP66 conforming to IEC 60529	Positive opening	With
speed IP degree of protection IP66 conforming to IEC 60529		8.5 N
		1.64 ft/s (0.5 m/s)
	IP degree of protection	

Complementary

Complementary	
Body material	Zamak
Head material	Zamak
Cable length	16.40 ft (5 m)
Cable composition	9 x 0.34 mm²
Wire insulation material	PvR
Positive opening minimum force	42.5 N
Minimum actuation speed	0.01 m/min
Contact code designation	R300, DC-13 (Ue = 250 V), le = 0.1 A IEC 60947-5-1 R300, DC-13 (Ue = 250 V), le = 0.1 A IEC 60947-5-1 appendix A C300, AC-15 (Ue = 240 V), le = 0.75 A IEC 60947-5-1 C300, AC-15 (Ue = 240 V), le = 0.75 A IEC 60947-5-1 appendix A
[Ithe] conventional enclosed thermal current	3 A AC
[Ui] rated insulation voltage	300 VUL 508 400 V 3)IEC 60947-1 300 VCSA C22.2 No 14
Maximum resistance across terminals	25 MOhm 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 gG

Electrical durability	5000000 Cycles, DC-13, inductive, 24 V, 3 W 3600 cyc/mn 0.5, DC IEC 60947-5-1 appendix C 5000000 Cycles, DC-13, inductive, 48 V, 2 W 3600 cyc/mn 0.5, DC IEC 60947-5-1 appendix C 5000000 cycles, DC-13, inductive, 120 V, 1 W 3600 cyc/mn 0.5, DC IEC 60947-5-1 appendix C
Mechanical durability	10000000 cycles
Marking	II2 D-Ex tb IIIC T85°C Db IP66/67
Width	1.18 in (30 mm)
Height	1.97 in (50 mm)
Depth	0.63 in (16 mm)

Environment

Shock resistance	25 gn 18 ms IEC 60068-2-27	
Vibration resistance	5 gn 10500 Hz)IEC 60068-2-6	
Electrical shock protection class	Class I IEC 61140 Class I NF C 20-030	
Ambient air temperature for operation	-4140 °F (-2060 °C)	
Protective treatment	TC	
Dust zone	Zone 21 - 22	
Product Certifications	INERIS 04ATEX0014X[RETURN]IEC-Ex INE 17.0020X	
Standards	IEC 60079-31 IEC 60079-0	
Directives	2014/34/EU - ATEX directive	

Ordering and shipping details

Category	US1000T22413
Discount Schedule	000T
GTIN	3389118027510
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.57 in (4.000 cm)
Package 1 Width	7.87 in (20.000 cm)
Package 1 Length	7.87 in (20.000 cm)
Package 1 Weight	17.21 oz (488.000 g)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

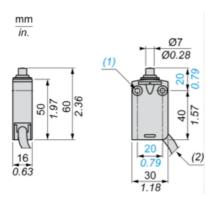
Warranty	18 months



Product data sheet Dimensions Drawings

XCMD4110L5EX

Dimensions



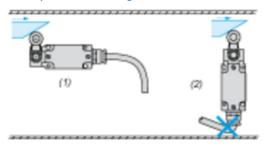
- (1) 2 fixing holes Ø 4.2 mm, counterbored Ø 8 mm by 4 mm deep.
- (2) External diameter of cable 7.5 mm.

Product data sheet Mounting and Clearance

XCMD4110L5EX

Mounting

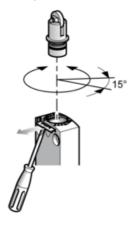
Sweep of Connecting Cable



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

Setting-up

Plunger or Multi-directional Heads

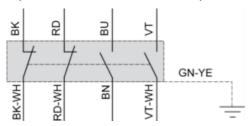


Product data sheet Connections and Schema

XCMD4110L5EX

Wiring Diagram

4-pole NC + NC + NO + NO Snap Action



(BK) Black

(BK-WH) Black White

(RD) Red

(RD-WH) Red White

(BU) Blue

(BN) Brown

(VT) Violet White

(VT-WH) Violet White

(GN-YE) Green Yellow

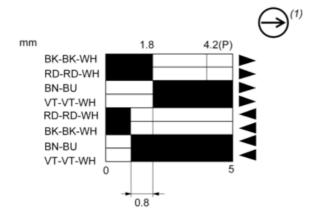
XCMD4110L5EX

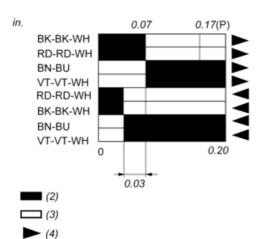
Characteristics of Actuation

Switch Actuation on End



Functional Diagram





- (P) Positive opening point
- (1) NC contact with positive opening operation
- (2) Closed

(5)

- (3) Open
- (4) Tripping
- (5) Resetting
- (BK) Black
- (BK-WH) Black White
- (RD) Red
- (RD-WH) Red White
- (BN) Brown
- (BU) Blue



(VT) Violet (VT WH) Violet White

