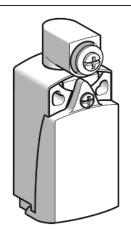


Product data sheet Characteristics

XCKD2101M12

Limit switch, Limit switches XC Standard, XCKD, with rotary head w/o operating lever, 1NC+1 NO, snap, M12





Main

Range of product	Telemecanique Limit switches XC Standard
Series name	Standard format
Product or component type	Limit switch
Device short name	XCKD
Sensor design	Compact
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 without operating lever
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	
Electrical connection	Male connector M12, 5 pins
Contacts insulation form	Zb
Positive opening	With
Positive opening minimum torque	0.25 N.m
Minimum torque for tripping	0.1 N.m
Maximum actuation speed	1.5 m/s
[le] rated operational current	3 A at 50 V, AC-15 conforming to EN/IEC 60947-5-1 appendix A 0.27 A at 50 V, DC-13 conforming to EN/IEC 60947-5-1 appendix A
[Ithe] conventional enclosed thermal current	4 A
[Ui] rated insulation voltage	60 V (pollution degree 3) conforming to IEC 60947-1
Maximum resistance across terminals	25 MOhm conforming to IEC 60255-7 category 3
[Uimp] rated impulse withstand voltage	0.8 KV conforming to IEC 60664 0.8 kV conforming to IEC 60947-1
Short-circuit protection	4 A cartridge fuse, type gG
Electrical durability	5000000 Cycles, DC-13, 24 V, 10 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 cycles, DC-13, 48 V, 7 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C
Mechanical durability	10000000 cycles
Width	31 mm
Height	65 mm
Depth	30 mm

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 inherent or and is not to be used for determining suitability or inhability of these products for specific user applications. It is the dourn aren in integrator 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.

Net weight	0.195 kg	
Terminals description ISO n°1	(21-22)NC (13-14)NO	
Environment		
Environment Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27	

Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27
Vibration resistance	25 gn (f= 10500 Hz) conforming to IEC 60068-2-6
IK degree of protection	IK06 conforming to EN 50102
Electrical shock protection class	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]CCC[RETURN]UL
Standards	CSA C22.2 No 14 IEC 60204-1 UL 508 IEC 60947-5-1 EN 60947-5-1 EN 60204-1

Packing Units

r doming office		
Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	3.3 cm	
Package 1 Width	3.9 cm	
Package 1 Length	10 cm	
Package 1 Weight	200 g	

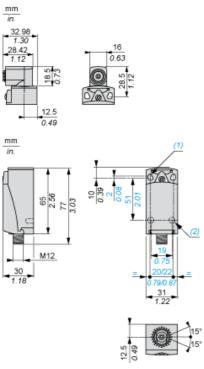
Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	₫Yes

Contractual warranty

Warranty	18 months
vvarianty	10 1110111115
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Dimensions

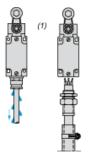


- (1) Tapped entry for M12
- (2) 2 elongated holes Ø 4.3 x 6.3 mm on 22 mm centres, 2 holes Ø 4.3 on 20 mm centres.
 (3) 2 x Ø 3 holes for support studs, depth 4 mm.

XCKD2101M12

Mounting with Cable Entry

Position of Cable Gland

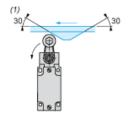


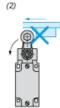


- (1) Recommended
- (2) To be avoided

Mounting with Rotary Heads and Levers

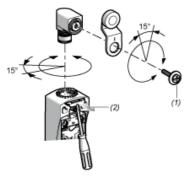
Type of Cam





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

Setting-up with Head ZCE01 and ZCE09



- (1) Tightening torque (Min: 1) (Max: 1.5)
- (2) Tightening torque (Min: 0.8) (Max: 1.2)

Product data sheet Connections and Schema

XCKD2101M12

Wiring Diagram

2-pole NC + NO Snap Action



Connections

M12 Connector



1-2 : NC 3-4 : NO 5 : Grounding

Product data sheet **Technical Description**

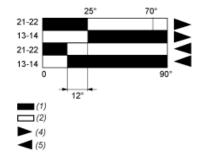
XCKD2101M12

Characteristics of Actuation

Switch Actuation on End



Functionnal Diagram



- Closed
- Open
- (4) (5)
- Tripping Resetting