Product data sheet Characteristics

XCKM121

Limit switch, Limit switches XC Standard, XCKM, thermoplastic roller lever plunger, 1NC +1 NO, snap, Pg11





Main

Man		
Range of product	Telemecanique Limit switches XC Standard	
Series name	Standard format	
Product or component type	Limit switch	
Device short name	XCKM	
Body type	Fixed	
Head type	Plunger head	
Material	Metal	
Body material	Zamak	
Fixing mode	By the body	
Movement of operating head	Linear	
Type of operator	Spring return roller lever plunger thermoplastic	
Type of approach	Lateral approach, 1 direction	
Cable entry	3 entries tapped for Pg 11 cable gland	
Number of poles	2	
Contacts type and composition	1 NC + 1 NO	
Contact operation	Snap action	

Complementary

Switch actuation	By 30° cam
Electrical connection	Screw-clamp terminals, clamping capacity: 1 x 0.342 x 1.5 mm²
Contacts insulation form	Zb
Number of steps	1
Positive opening	With
Positive opening minimum force	24 N
Minimum force for tripping	8 N
Minimum actuation speed	0.01 M/Min
Maximum actuation speed	1.5 M/S
Contact code designation	A300, AC-15 (Ue = 240 V), le = 3 A conforming to EN/IEC 60947-5-1 appendix A Q300, DC-13 (Ue = 250 V), le = 0.27 A conforming to EN/IEC 60947-5-1 appendix A
[Ithe] conventional enclosed thermal current	10 A AC
[Ui] rated insulation voltage	300 V conforming to UL 508 500 V (pollution degree 3) conforming to IEC 60947-1 300 V conforming to CSA C22.2 No 14
Maximum resistance across terminals	25 MOhm conforming to IEC 60255-7 category 3

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 interneted as a substitute for and is not to be used for determining suitability or reliability of these products with expect to the relevant specific application it is the douty of any sub user or 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 substitiaries shall be responsible or liable for misuse of the information contained herein.

[Uimp] rated impulse withstand voltage	6 KV conforming to IEC 60664 6 KV conforming to IEC 60947-1
Short-circuit protection	10 A cartridge fuse, type gG
Electrical durability	5000000 Cycles, DC-13, inductive load type, 120 V, 4 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 Cycles, DC-13, inductive load type, 24 V, 7 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 Cycles, DC-13, inductive load type, 48 V, 10 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C
Mechanical durability	20000000 Cycles
Width	64 Mm
Height	64 Mm
Depth	30 Mm
Net weight	0.3 Kg
Terminals description ISO n°1	(21-22)NC (13-14)NO

Environment

Shock resistance	50 gn for 11 ms conforming to EN/IEC 60068-2-27
Vibration resistance	25 gn (f= 10500 Hz) conforming to EN/IEC 60068-2-6
IP degree of protection	IP66 conforming to EN/IEC 60529
IK degree of protection	IK05 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	CCC UL CSA
Standards	CSA C22.2 No 14 IEC 60204-1 UL 508 IEC 60947-5-1 EN 60947-5-1 EN 60204-1

Packing Units

racking units	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	313 G
Package 1 Height	3.5 Cm
Package 1 width	6.7 Cm
Package 1 Length	14.8 Cm
Unit Type of Package 2	S02
Number of Units in Package 2	27
Package 2 Weight	9.089 Kg
Package 2 Height	15 Cm
Package 2 width	30 Cm
Package 2 Length	40 Cm
Unit Type of Package 3	P06
Number of Units in Package 3	432
Package 3 Weight	151.492 Kg
Package 3 Height	77 Cm
Package 3 width	60 Cm
Package 3 Length	80 Cm



Offer Sustainability

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

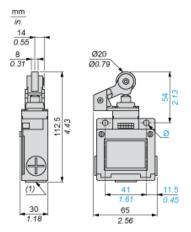
Contractual warranty

Warranty	18 months

Product data sheet Dimensions Drawings

XCKM121

Dimensions



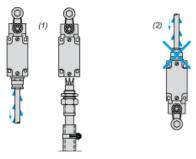
(1) 3 tapped entries Pg 11 cable gland Ø: 2 elongated holes Ø 5.2 x 6.2

Product data sheet Mounting and Clearance

XCKM121

Mounting with Cable Entry

Position of Cable Gland



- (1) (2) Recommended To be avoided

Product data sheet Connections and Schema

XCKM121

Wiring Diagram

2-pole NC + NO Snap Action

Product data sheet Technical Description

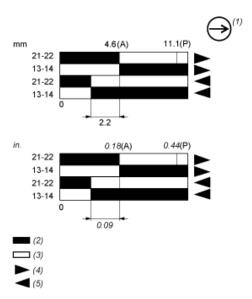
XCKM121

Characteristics of Actuation

Switch Actuation by 30° Cam



Functionnal Diagram



- (P) Positive opening point
- (A) Cam displacement
- (1) NC contact with positive opening operation
- (2) Closed
- (3) Open
- (4) Tripping
- (5) Resetting

Product Life Status: Commercialised