

Product data sheet Characteristics

XCKN2939G11

limit switch XCKN - thermoplastic roller lever Ø50mm - 2NC - snap - Pg11



Main

Range of product	Telemecanique Limit switches XC Standard
Series name	Standard format
Product or component type	Limit switch
Device short name	XCKN
Sensor design	Compact
Body type	Fixed
Head type	Rotary head
Material	Plastic
Body material	Plastic
Head material	Plastic
Fixing mode	By the body
Movement of operating head	Rotary
Type of operator	Spring return roller lever thermoplastic roller diameter 50 mm
Type of approach	Lateral approach, 2 directions
Cable entry	1 entry tapped for Pg 11 cable gland
Number of poles	2
Contacts type and composition	2 NC
Contact operation	Snap action

Complementary

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
Positive opening	With
Minimum torque for tripping	0.1 N.m
Maximum actuation speed	1.5 m/s
Contact code designation	A300, AC-15 (Ue = 240 V), Ie = 3 A, Ithe = 10 A conforming to EN/IEC 60947-5-1 appendix A Q300, DC-13 (Ue = 250 V), Ie = 0.27 A conforming to EN/IEC 60947-5-1 appendix A
[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
[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, 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, 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	30 mm
Height	126 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 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 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.

Depth	47 mm	
Net weight	0.2 kg	
Terminals description ISO n°1	(11-12)NC (21-22)NC	

Environment

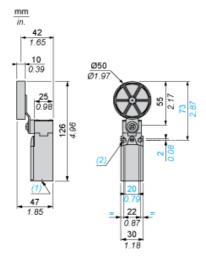
Shock resistance	45 gn for 11 ms conforming to IEC 60068-2-27	
Vibration resistance	25 gn (f= 10500 Hz) conforming to IEC 60068-2-6	
IP degree of protection	IP65 conforming to IEC 60529	
IK degree of protection	IK04 conforming to EN 50102	
Overvoltage category	Class II conforming to IEC 61140 Class II 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	UL[RETURN]CSA[RETURN]CCC	
Standards	EN 60204-1 CSA C22.2 No 14 UL 508 IEC 60204-1 EN 60947-5-1 IEC 60947-5-1	

Packing Units

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

Contractual warranty

Dimensions

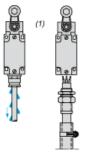


- (1) 1 tapped entry for Pg 11 cable gland
 (2) Ø: 2 elongated holes Ø 4.3 x 6.3 on 22 mm centres, 2 holes Ø 4.3 on 20 mm centres.

XCKN2939G11

Mounting with Cable Entry

Position of Cable Gland

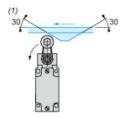




- (1) (2) Recommended
- To be avoided

Mounting with Rotary Heads and Levers

Type of Cam





- Recommended
- To be avoided

Wiring Diagram

2-pole NC + NC Snap Action

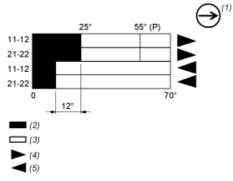
XCKN2939G11

Characteristics of Actuation

Switch Actuation by 30° Cam



Functionnal Diagram



- (P) Positive opening point(1) NC contact with positive opening operation
- (2) Closed (3) Open Closed

- (4) Tripping(5) Resetting