

## Product data sheet Characteristics

## XCKN2145P20

limit switch XCKN - th.plastic roller lever var.length - 1NC+1NO - snap - M20





### 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 variable length
Type of approach	Lateral approach, 2 directions
Cable entry	1 entry tapped for M20 x 1.5 cable gland, cable outer diameter: 713 mm
Number of poles	2
Contacts type and composition	1 NC + 1 NO
Contact operation	Snap action

#### Complementary

By 30° cam
Screw-clamp terminals, clamping capacity: 1 x 0.342 x 1.5 mm <sup>2</sup>
Zb
With
0.15 N.m
0.1 N.m
1.5 m/s
A300, AC-15 (Ue = 240 V), le = 3 A, Ithe = 10 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
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
6 KV conforming to IEC 60664 6 kV conforming to IEC 60947-1
10 A cartridge fuse, type gG
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
10000000 cycles

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.

Width	30 mm
Height	108157 mm
Depth	42 mm
Net weight	0.18 kg
Terminals description ISO n°1	(21-22)NC (13-14)NO

### Environment

45 gn for 11 ms conforming to IEC 60068-2-27	
25 gn (f= 10500 Hz) conforming to IEC 60068-2-6	
IP65 conforming to IEC 60529	
IK04 conforming to IEC 62262	
Class II conforming to IEC 61140 Class II conforming to NF C 20-030	
-2570 °C	
-4070 °C	
TC	
CSA[RETURN]CCC[RETURN]UL	
IEC 60947-5-1 UL 508 CSA C22.2 No 14 IEC 60204-1 IEC 60204-1 IEC 60947-5-1	
	25 gn (f= 10500 Hz) conforming to IEC 60068-2-6  IP65 conforming to IEC 60529  IK04 conforming to IEC 62262  Class II conforming to IEC 61140  Class II conforming to NF C 20-030  -2570 °C  -4070 °C  TC  CSA[RETURN]CCC[RETURN]UL  IEC 60947-5-1  UL 508  CSA C22.2 No 14  IEC 60204-1  IEC 60204-1

## Packing Units

· coming or mo	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.064 cm
Package 1 Width	3.048 cm
Package 1 Length	11.176 cm
Package 1 Weight	95.255 g
Unit Type of Package 2	BB1
Number of Units in Package 2	20
Package 2 Height	11 cm
Package 2 Width	16 cm
Package 2 Length	31 cm
Package 2 Weight	2.02 kg
Unit Type of Package 3	S03
Number of Units in Package 3	60
Package 3 Height	30 cm
Package 3 Width	30 cm
Package 3 Length	40 cm
Package 3 Weight	6.92 kg

## Offer Sustainability

Sustainable offer status	Green Premium product	
REACh Regulation	<sup>™</sup> REACh Declaration	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)	
Mercury free	Yes	
RoHS exemption information	₽¥Yes	
Circularity Profile	No need of specific recycling operations	

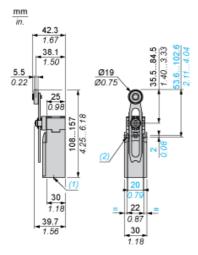
## Contractual warranty

144	10
Warranty	18 months
varianty	To monate

# Product data sheet **Dimensions Drawings**

# XCKN2145P20

### **Dimensions**

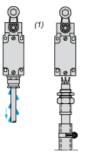


- (1) 1 tapped entry for M20 x 1.5
  (2) Ø: 2 elongated holes Ø 4.3 x 6.3 on 22 mm centres, 2 holes Ø 4.3 on 20 mm centres.

## XCKN2145P20

### Mounting with Cable Entry

### Position of Cable Gland

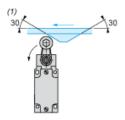




- Recommended
- (1) (2) To be avoided

### Mounting with Rotary Heads and Levers

### Type of Cam





- Recommended
- To be avoided

## Wiring Diagram

2-pole NC + NO Snap Action



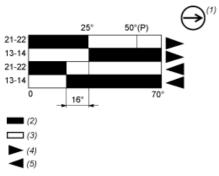
# XCKN2145P20

### **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
  (4) Tripping
  (5) Resetting