

Product data sheet Characteristics

XCKN2745P20

limit switch XCKN - th.plastic roller lever var.length - 2NC - slow - 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
••	Lateral approach, 2 directions
Cable entry	1 entry tapped for M20 x 1.5 cable gland, cable outer diameter: 713 mm
Cable entry Number of poles	1 entry tapped for M20 x 1.5 cable gland, cable outer
	1 entry tapped for M20 x 1.5 cable gland, cable outer diameter: 713 mm
Number of poles Contacts type and	1 entry tapped for M20 x 1.5 cable gland, cable outer diameter: 713 mm
Number of poles Contacts type and composition	1 entry tapped for M20 x 1.5 cable gland, cable outer diameter: 713 mm 2 2 NC

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	
Positive opening minimum torque	0.15 N.m	
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 R300, DC-13 (Ue = 250 V), Ie = 0.1 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	
Mechanical durability	10000000 cycles	
Width	30 mm	
Height	108157 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	42 mm
Net weight	0.09 kg
Terminals description ISO n°1	(11-12)NC (21-22)NC

Environment

Shock resistance	35 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/IEC 60204-1 EN/IEC 60947-5-1 UL 508 CSA C22.2 No 14	

Packing Units

Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	4.23 cm	
Package 1 Width	3 cm	
Package 1 Length	15.7 cm	
Package 1 Weight	99 g	

Offer Sustainability

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

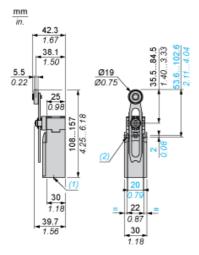
Contractual warranty

Warranty 18 months	
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Product data sheet **Dimensions Drawings**

XCKN2745P20

Dimensions

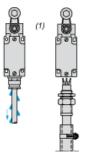


- (1) 1 tapped entry for M20 x 1.5
 (2) Ø: 2 elongated holes Ø 4.3 x 6.3 on 22 mm centres, 2 holes Ø 4.3 on 20 mm centres.

XCKN2745P20

Mounting with Cable Entry

Position of Cable Gland

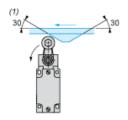




- Recommended
- (1) (2) To be avoided

Mounting with Rotary Heads and Levers

Type of Cam





- Recommended
- To be avoided

Product data sheet Connections and Schema

XCKN2745P20

Wiring Diagram

2-pole NC + NC Simultaneous, Slow Break

Product data sheet **Technical Description**

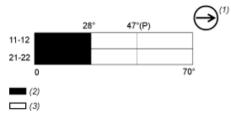
XCKN2745P20

Characteristics of Actuation

Switch Actuation by 30° Cam



Functionnal Diagram



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