# Product data sheet Characteristics

# XCKN2118P20

Limit switch, Limit switches XC Standard, XCKN, thermoplastic roller lever, 1NC+1 NO, 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 form A
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
Type of approach	Lateral approach, 2 directions
Cable entry	1 entry tapped for M20 x 1.5 cable gland 0.28 0.51 in (713 mm)
Number of poles	2
Contacts type and composition	1 NC + 1 NO
Contact operation	Snap action

#### Complementary

endix A ix A
1 appendix C 1 appendix C appendix C

Net Weight	0.39 lb(US) (0.175 kg)
Terminals description ISO n°1	(13-14)NO (21-22)NC

#### Environment

Shock resistance	45 gn 11 ms IEC 60068-2-27
Vibration resistance	25 gn 10500 Hz)IEC 60068-2-6
IP degree of protection	IP65 conforming to IEC 60529
IK degree of protection	IK04 EN 50102
Overvoltage category	Class II IEC 61140 Class II NF C 20-030
Ambient Air Temperature for Operation	-13158 °F (-2570 °C)
Ambient Air Temperature for Storage	-40158 °F (-4070 °C)
Protective treatment	TC
Product Certifications	CCC UL CSA
Standards	EN 60947-5-1 UL 508 IEC 60947-5-1 EN 60204-1 IEC 60204-1 CSA C22.2 No 14

#### Ordering and shipping details

<u> </u>	
Category	22435-LIMIT SWITCHES,TYPE XCM
Discount Schedule	Т
GTIN	3389110214307
Nbr. of units in pkg.	1
Package weight(Lbs)	3.07 oz (87.0 g)
Returnability	Yes
Country of origin	ID

#### Packing Units

racking units	
Unit Type of Package 1	PCE
Package 1 Height	4.33 in (11 cm)
Package 1 width	6.30 in (16 cm)
Package 1 Length	12.20 in (31 cm)
Unit Type of Package 2	BB1
Number of Units in Package 2	20
Package 2 Weight	3.92 lb(US) (1.78 kg)
Package 2 Height	4.33 in (11 cm)
Package 2 width	6.30 in (16 cm)
Package 2 Length	12.20 in (31 cm)
Unit Type of Package 3	P06
Number of Units in Package 3	480
Package 3 Weight	124.65 lb(US) (56.54 kg)
Package 3 Height	31.50 in (80 cm)
Package 3 width	31.50 in (80 cm)
Package 3 Length	23.62 in (60 cm)

### Offer Sustainability

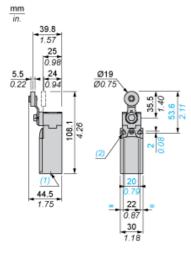
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACh Regulation	☑ REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	€Yes
Environmental Disclosure	Product Environmental Profile

#### Contractual warranty

Warranty	18 months
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# XCKN2118P20

#### **Dimensions**

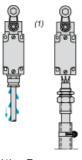


- 1 tapped entry for M20 x 1.5  $\varnothing$ : 2 elongated holes  $\varnothing$  4.3 x 6.3 on 22 mm centres, 2 holes  $\varnothing$  4.3 on 20 mm centres.

## XCKN2118P20

#### Mounting with Cable Entry

#### Position of Cable Gland

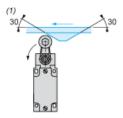




- (1) Recommended
- (2) To be avoided

#### Mounting with Rotary Heads and Levers

#### Type of Cam





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

## Product data sheet Connections and Schema

# XCKN2118P20

### Wiring Diagram

2-pole NC + NO Snap Action



# Product data sheet Technical Description

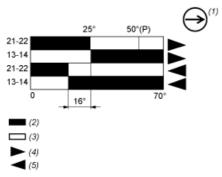
# XCKN2118P20

#### **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