

# Product datasheet

Specifications



## limit switch XCKM - metal end plunger - 1NC+1NO - snap action - M20

Local distributor code: 386307414 XCKM110H29

EAN Code : 3389110973068

### Main

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 plunger metal
Type of approach	Vertical approach, 1 direction
Cable entry	3 entries tapped for M20 x 1.5 cable gland, cable outer diameter: 7...13 mm
Number of poles	2
Contacts type and composition	1 NC + 1 NO
Contact operation	Snap action

### Complementary

Switch actuation	On end
Electrical connection	Screw-clamp terminals, clamping capacity: 1 x 0.34...2 x 1.5 mm <sup>2</sup>
Contacts insulation form	Zb
Number of steps	1
Positive opening	With
Positive opening minimum force	45 N
Minimum force for tripping	15 N
Minimum actuation speed	0.01 m/min
Maximum actuation speed	0.5 m/s
Repeat accuracy	0.05 mm on the tripping points with 1 million operating cycles
Contact code designation	A300, AC-15 (Ue = 240 V), Ie = 3 A conforming to EN/IEC 60947-5-1 appendix A

<b>[Ithe] conventional enclosed thermal current</b>	10 A AC
<b>[Ui] rated insulation voltage</b>	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
<b>Maximum resistance across terminals</b>	25 MOhm conforming to IEC 60255-7 category 3
<b>[Uimp] rated impulse withstand voltage</b>	6 kV conforming to IEC 60664 6 kV conforming to IEC 60947-1
<b>Short-circuit protection</b>	10 A cartridge fuse, type gG
<b>Electrical durability</b>	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
<b>Mechanical durability</b>	20000000 cycles
<b>Width</b>	64 mm
<b>Height</b>	64 mm
<b>Depth</b>	30 mm
<b>Net weight</b>	0.25 kg
<b>Terminals description ISO n°1</b>	(13-14)NO (21-22)NC

## Environment

<b>Shock resistance</b>	50 gn for 11 ms conforming to EN/IEC 60068-2-27
<b>Vibration resistance</b>	25 gn (f= 10...500 Hz) conforming to EN/IEC 60068-2-6
<b>IP degree of protection</b>	IP66 conforming to EN/IEC 60529
<b>IK degree of protection</b>	IK05 conforming to EN 50102
<b>Electrical shock protection class</b>	Class I conforming to IEC 61140 Class I conforming to NF C 20-030
<b>Ambient air temperature for operation</b>	-25...70 °C
<b>Ambient air temperature for storage</b>	-40...70 °C
<b>Protective treatment</b>	TC
<b>Product certifications</b>	UL CSA CCC
<b>Standards</b>	IEC 60204-1 UL 508 CSA C22.2 No 14 EN 60947-5-1 IEC 60947-5-1 EN 60204-1

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	3.3 cm
<b>Package 1 Width</b>	6.1 cm
<b>Package 1 Length</b>	14.8 cm
<b>Package 1 Weight</b>	264 g
<b>Unit Type of Package 2</b>	S02

Number of Units in Package 2	27
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	7.625 kg
Unit Type of Package 3	P06
Number of Units in Package 3	432
Package 3 Height	77 cm
Package 3 Width	80 cm
Package 3 Length	60 cm
Package 3 Weight	130.26 kg

## Offer Sustainability

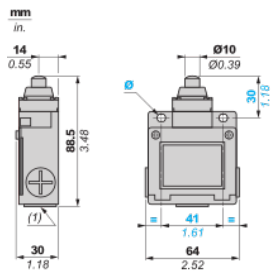
Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

## Contractual warranty

Warranty	18 months
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Dimensions

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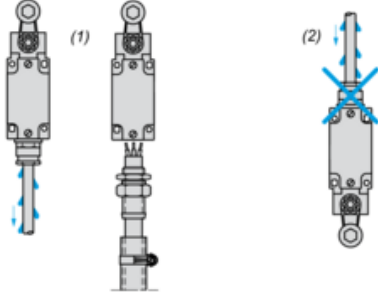
(1) 3 tapped entries M20 x 1.5

Ø : 2 elongated holes Ø 5.2 x 6.2

**Mounting with Cable Entry**

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**Position of Cable Gland**

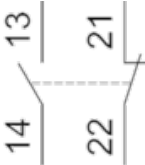


- (1) Recommended
- (2) To be avoided

**Wiring Diagram**

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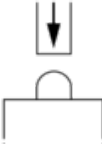
**2-pole NC + NO Snap Action**



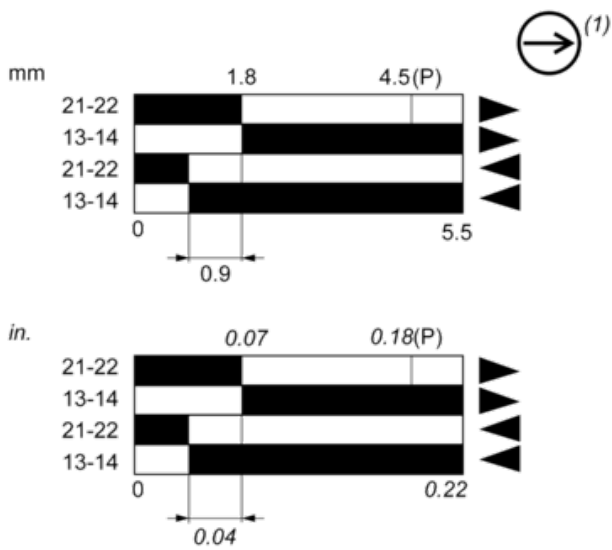
**Characteristics of Actuation**

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**Switch Actuation on End**



**Functionnal Diagram**



- (2)
- (3)
- ▶ (4)
- ◀ (5)

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

**Recommended replacement(s)**