## XCKML502H29

Limit switch, Limit switches XC Standard, XCKML, steel roller plunger, 2x(1NC+1NO), slow break, M20



#### Main

Range of product	Telemecanique Limit switches XC Standard	
Series name	Standard format	
Product or component type	Limit switch	
Device short name	XCKML	
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 roller plunger metal	
Type of approach	Lateral approach, 2 directions	
Cable entry	3 entries tapped for M20 x 1.5 cable gland, cable outer diameter: 713 mm	
Number of poles	4	
Contacts type and composition	2 x (1 NC + 1 NO)	
Contact operation	Slow-break, break before make	

#### Complementary

Complementary	
Switch actuation	By 30° cam
Electrical connection	Screw-clamp terminals, clamping capacity: 1 x 0.342 x 1.5 mm <sup>2</sup>
Contacts insulation form	Zb
Number of steps	1
Positive opening	With
Positive opening minimum force	50 N
Minimum force for tripping	12 N
Minimum actuation speed	6 m/min
Maximum actuation speed	0.5 m/s
[Ithe] conventional enclosed thermal current	10 A AC
[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
Maximum resistance across terminals	25 MOhm conforming to IEC 60255-7 category 3
[Uimp] rated impulse withstand voltage	6 KV conforming to IEC 60664 6 kV conforming to IEC 60947-1
Electrical durability	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
Mechanical durability	3000000 cycles
Width	77 mm
Height	81 mm
Depth	36 mm

Net weight	0.405 kg	
Terminals description ISO n°1	(13-14)NO (21-22)NC	

### Environment

Shock resistance	50 gn for 11 ms conforming to EN/IEC 60068-2-27	
Vibration resistance	25 gn (f= 10500 Hz) conforming to EN/IEC 60068-2-6	
IP degree of protection	IP66 conforming to EN/IEC 60529	
IK degree of protection	IK05 conforming to EN 50102	
Electrical shock protection class	Class I conforming to IEC 61140 Class I 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	
Standards	UL 508 EN 60204-1 IEC 60947-5-1 CSA C22.2 No 14 EN 60947-5-1 IEC 60204-1	

## Packing Units

Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	14.5 cm	
Package 1 Width	8 cm	
Package 1 Length	4.4 cm	
Package 1 Weight	440 g	

## Offer Sustainability

Sustainable offer status	Green Premium product
Circularity Profile No need of specific recycling operations	
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
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

## Contractual warranty

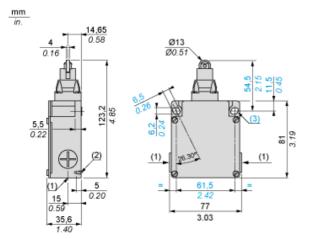
arranty 18 n	nonths



# Product data sheet **Dimensions Drawings**

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#### **Dimensions**



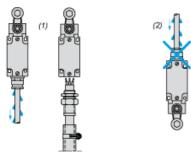
- 3 tapped entries M20 x 1.5
- (2) 2 centring holes Ø 3.9 ± 0.2, for cover fixing holes alignment.
  Ø: 2 elongated holes 6.2 x 6.5, inclined at 26° 30' to the vertical axis, for M5 screws.

# Product data sheet **Mounting and Clearance**

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### Mounting with Cable Entry

### Position of Cable Gland



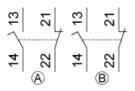
- (1) (2) Recommended
- To be avoided

## Product data sheet Connections and Schema

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## Wiring Diagram

2 x 2-pole NC + NO Break Before Make, Slow Break



# Product data sheet **Technical Description**

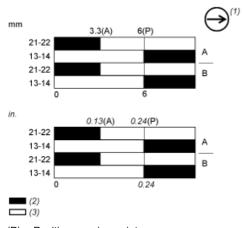
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### **Characteristics of Actuation**

### Switch Actuation by 30° Cam



### **Functionnal Diagram**



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