

# XCKW101

Wireless limit switch, Limit switches XC  
Standard, XCKW, plunger



## Main

Range of product	Telemecanique Limit switches XC Standard
Series name	Standard format
Product or component type	Wireless limit switch
Device short name	XCKW
Body type	Fixed
Head type	Plunger head

## Complementary

Body material	Plastic
Head material	Plastic
Lever material	Metal
Fixing mode	By 4 screws
Type of operator	Spring return plunger metal
Switch actuation	On end
Type of approach	Vertical approach, 1 direction
Communication network type	ZigBee green power - 2.4 GHz conforming to IEEE 802.15.4
Electrical composition code	PW1
Emission power	3 mW
Response time	<= 2 ms
Maximum sensing distance	100 M in free field 300 M with external antenna 25 m in industrial environment
Contact operation	Snap action
Number of steps	1
Maximum force for tripping	50 N
Maximum actuation speed	0.5 m/s
Maximum operating rate	60 cyc/mn
Mechanical durability	400000 cycles
Switching operation per hour	3600
Width	40 mm
Height	112 mm
Depth	41 mm
Net weight	0.21 kg

## Environment

Electromagnetic compatibility	<p>Radiated emission</p> <p>Immunity for industrial environments</p> <p>Susceptibility to electromagnetic fields - test level: 3 V/m (80...2700 MHz, distance = 20 m)</p> <p>Susceptibility to electromagnetic fields - test level: 10 V/m (80...2000 MHz)</p> <p>Electrostatic discharge immunity test - test level: 6 kV (on contact (on metal parts))</p> <p>Electrostatic discharge immunity test - test level: 8 kV (in free air (in insulating parts))</p>
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27
Vibration resistance	<p>+/- 10 mm (f= 2...11 Hz) conforming to IEC 60068-2-6</p> <p>25 gn (f= 10...500 Hz) conforming to IEC 60068-2-6</p>
IP degree of protection	<p>IP67 conforming to IEC 60529</p> <p>IP66 conforming to IEC 60529</p>
IK degree of protection	IK05 conforming to EN 50102
Ambient air temperature for operation	-25...55 °C
Ambient air temperature for storage	-40...70 °C
Directives	<p>2004/108/EC - electromagnetic compatibility</p> <p>1999/5/EC - R&amp;TTE directive</p>
Standards	<p>EN/IEC 60947-1</p> <p>EN/IEC 60947-5-1</p>
Radio agreement	IC conforming to RSS[RETURN]FCC conforming to RCM

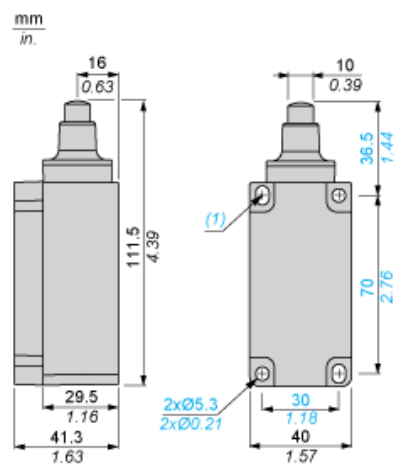
## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.8 cm
Package 1 Width	7 cm
Package 1 Length	14.5 cm
Package 1 Weight	156 g

## Offer Sustainability

California proposition 65	<p>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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a></p>
For all Reach Rohs enquiries contact us at	<a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>

## Dimensions



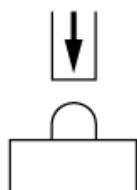
(1) 2 elongated holes 5.3 x 7.3 mm / 0.21 x 0.29 in.

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## Mounting

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### Characteristics of Actuation

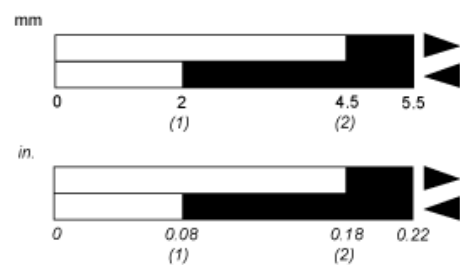


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Technical Description

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Functionnal Diagram, Travel Distance



- (1) Reset  
(2) Set