

# XCKW149

Wireless limit switch, Limit switches XC Standard, XCKW, adjustable 50 mm plastic roller lever



## 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	Rotary head

## Complementary

Body material	Plastic
Head material	Plastic
Lever material	Metal
Fixing mode	By 4 screws
Type of operator	Spring return roller lever elastomer variable length, roller diameter 50 mm
Switch actuation	By 30° cam
Type of approach	Lateral approach, 1 or 2 programmable 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 torque for tripping	0.5 N.m
Maximum actuation speed	1 m/s
Maximum operating rate	60 cyc/mn
Mechanical durability	400000 cycles
Switching operation per hour	3600
Width	50 mm
Height	195 mm
Depth	59 mm
Net weight	0.27 kg

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.

## Environment

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

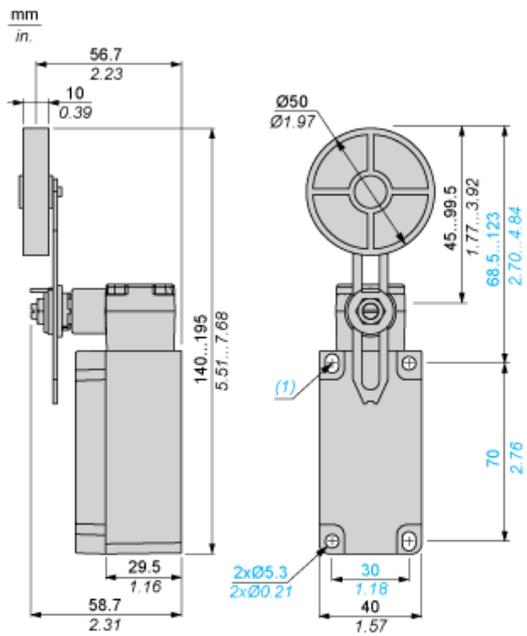
## Packing Units

Package 1 Weight	0.228 kg
Package 1 Height	0.570 dm
Package 1 width	0.900 dm
Package 1 Length	1.560 dm

## Offer Sustainability

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>

Dimensions



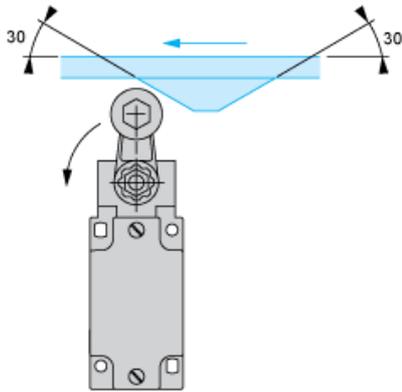
(1) 2 elongated holes 5.3 x 7.3 mm / 0.21 x 0.29 in.

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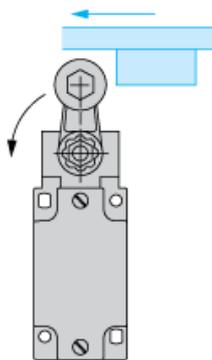
Mounting with Rotary Head and Roller Lever

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Recommended Mounting



Mounting to be Avoided

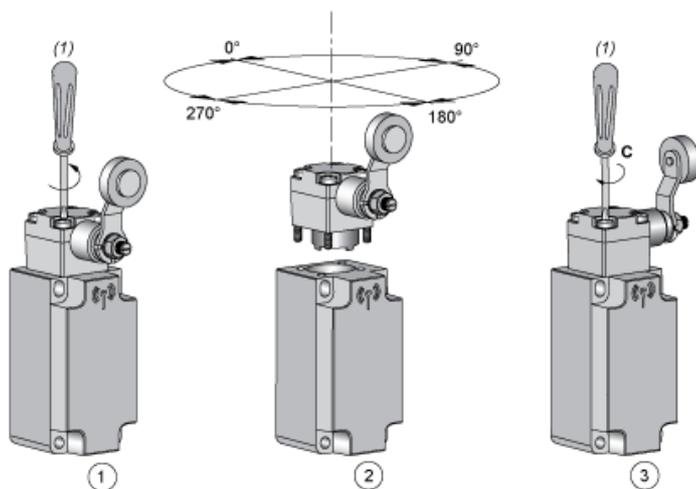


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Mounting

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Head Orientation



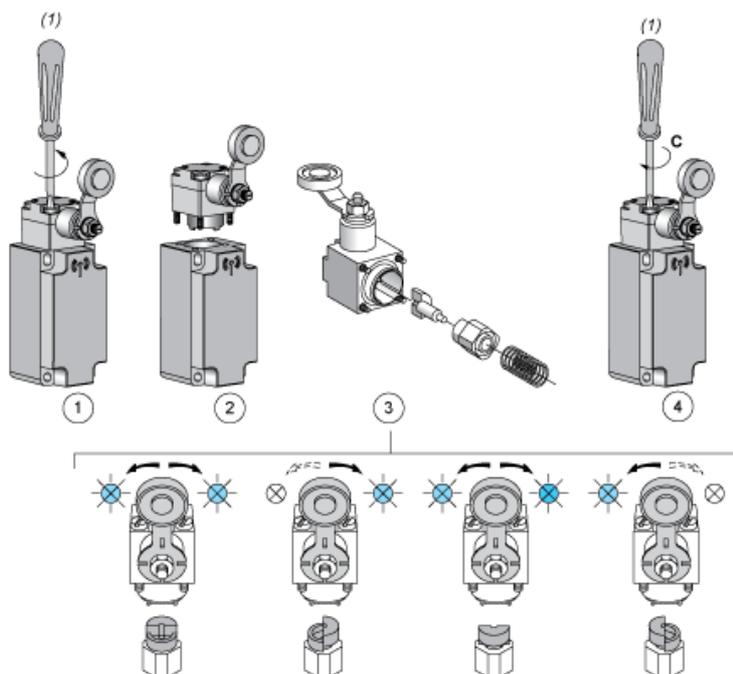
- (1) PZ1, pozidriv screwdriver, size 1  
C : 1 Nm ( $\pm 20\%$ ) / 8.85 lb-in ( $\pm 20\%$ )

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Mounting

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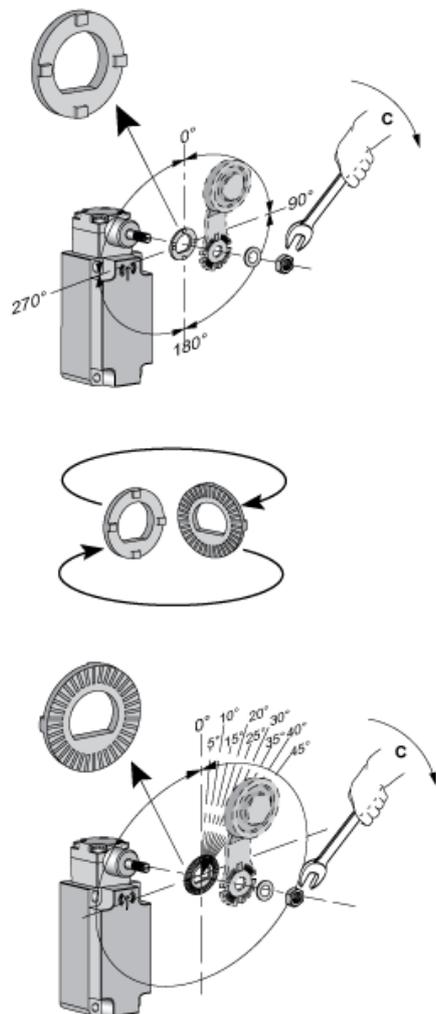
## Actuator Direction Setting



- (1) PZ1, pozidriv screwdriver, size 1  
 C : 1 Nm (± 20 %) / 8.85 lb-in (± 20 %)

## Mounting

### Actuator Angle Setting

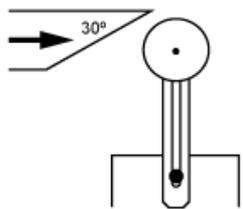


- C : 1 Nm (± 20 %) / 8.85 lb-in (± 20 %)

## 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