

## XCKW159

Wireless limit switch XCKW - plastic round rod lever  
6 mm



### Main

Range of product	OsiSense XC
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	Thermoplastic spring return round rod lever with round rod 6 mm, L = 200 mm
Switch actuation	By any moving part
Type of approach	1 or 2 programmable direction lateral approach
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 with receiver in metal enclosure 40 m with receiver in metal enclosure and active antenna
Contacts operation	Snap action
Number of steps	1
Minimum torque for tripping	0.5 N.m
Maximum actuation speed	1 m/s
Operating rate	<= 60 cyc/mn
Mechanical durability	400000 cycles
Switching operation per year	<= 3600
Width	40 mm
Height	288 mm
Depth	59 mm
Product weight	0.23 kg

### Environment

electromagnetic compatibility	Immunity for industrial environments Radiated emission Susceptibility to electromagnetic fields : 3 V/m, 80...2700 MHz, distance = 20 m Susceptibility to electromagnetic fields : 10 V/m, 80...2000 MHz Electrostatic discharge immunity test : 6 kV, on contact (on metal parts) Electrostatic discharge immunity test : 8 kV, in free air (in insulating parts)
shock resistance	50 gn (duration = 11 ms) conforming to IEC 60068-2-27
vibration resistance	+/- 10 mm (vibration frequency: 2...11 Hz) conforming to IEC 60068-2-6 25 gn (vibration frequency: 10...500 Hz) conforming to IEC 60068-2-6
IP degree of protection	IP66 conforming to IEC 60529 IP67 conforming to IEC 60529

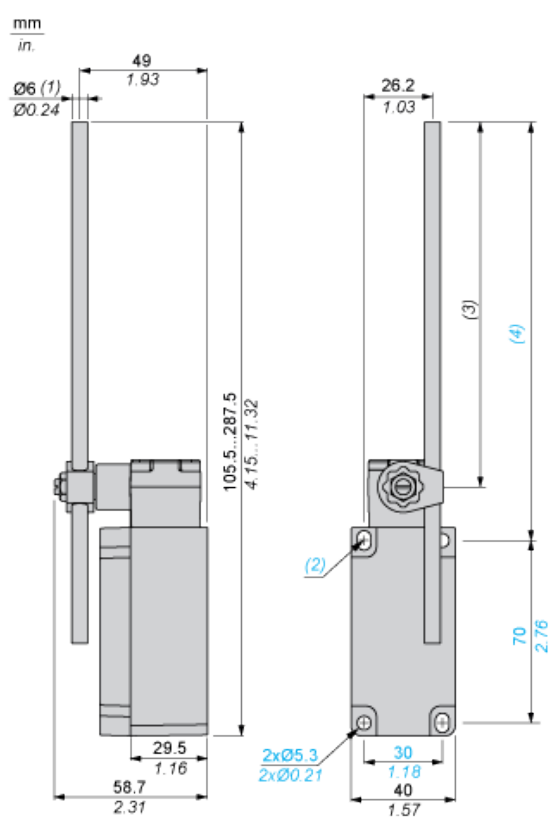
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IK degree of protection	IK05 conforming to EN 50102
ambient air temperature for operation	-25...55 °C
ambient air temperature for storage	-40...70 °C
directives	2004/108/EC - electromagnetic compatibility 1999/5/EC - R&TTE directive
standards	EN/IEC 60947-9 EN/IEC 60947-5-9
radio agreement	IC RSS IC RSS FCC RCM

## Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 1545 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold

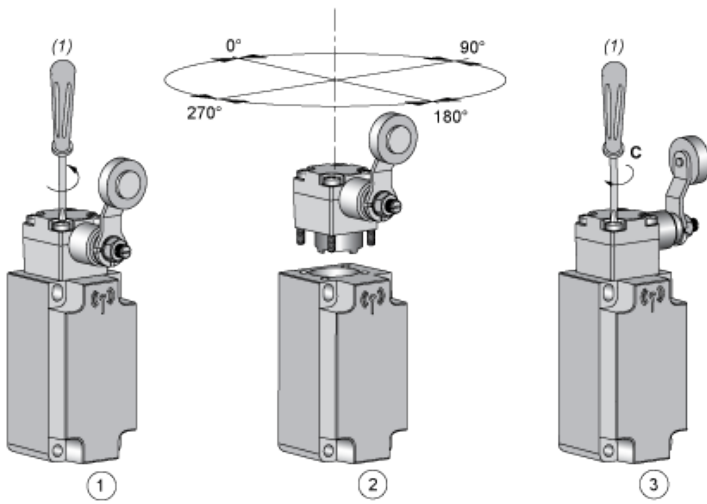
## Dimensions



- (1) Rod length : 200 mm / 7.87 in.
- (2) 2 elongated holes 5.3 x 7.3 mm / 0.21 x 0.29 in.
- (3) 190 mm / 7.48 in. maximum
- (4) 213.5 mm / 8.41 in. maximum

## Mounting

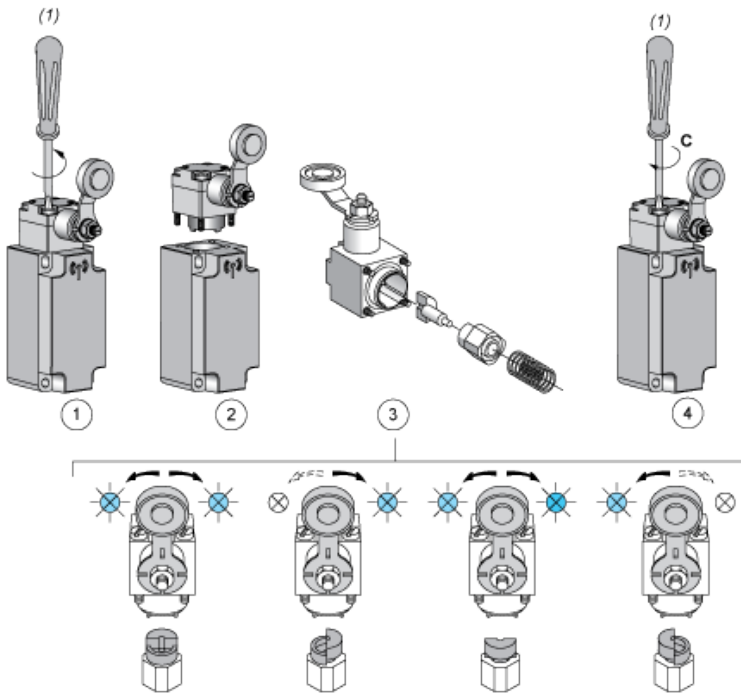
### Head Orientation



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

## Mounting

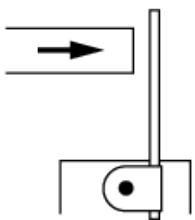
### Actuator Direction Setting



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

## Mounting

### Characteristics of Actuation



## Technical Description

### Functionnal Diagram, Travel Distance



- (1) Reset
- (2) Set