

XCKW149

Wireless limit switch XCKW - adjustable 50mm plastic roller lever



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	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 IEEE 802.15.4
Electrical composition code	PW1
Emission power	3 mW
Response time	<= 2 ms
Maximum sensing distance	328.08 Ft (100 m) in free field 984.25 Ft (300 m) with external antenna 82.02 ft (25 m) in industrial environment
Contact operation	Snap action
Number of steps	1
Maximum torque for tripping	4.43 lbf.in (0.5 N.m)
Maximum actuation speed	3.28 ft/s (1 m/s)
Maximum operating rate	60 cyc/mn
Mechanical durability	400000 cycles
Switching operation per hour	3600
Maximum Width	1.97 in (50 mm)
Maximum Height	7.68 in (195 mm)
Maximum Depth	2.32 in (59 mm)
Net Weight	0.60 lb(US) (0.27 kg)

Environment

Electromagnetic compatibility	Radiated emission Immunity for industrial environments 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 11 ms IEC 60068-2-27
Vibration resistance	+/- 10 mm 2...11 Hz)IEC 60068-2-6 25 gn 10...500 Hz)IEC 60068-2-6
IP degree of protection	IP67 IEC 60529 IP66 IEC 60529
IK degree of protection	IK05 EN 50102
Ambient air temperature for operation	-13...131 °F (-25...55 °C)
Ambient air temperature for storage	-40...158 °F (-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 RSS FCC RCM

Ordering and shipping details

Category	22412 - LIMIT SWITCHES,IEC,XCKW WIRELESS
Discount Schedule	T
GTIN	03389119628587
Nbr. of units in pkg.	1
Package weight(Lbs)	0.5 lb(US) (0.23 kg)
Returnability	No
Country of origin	FR

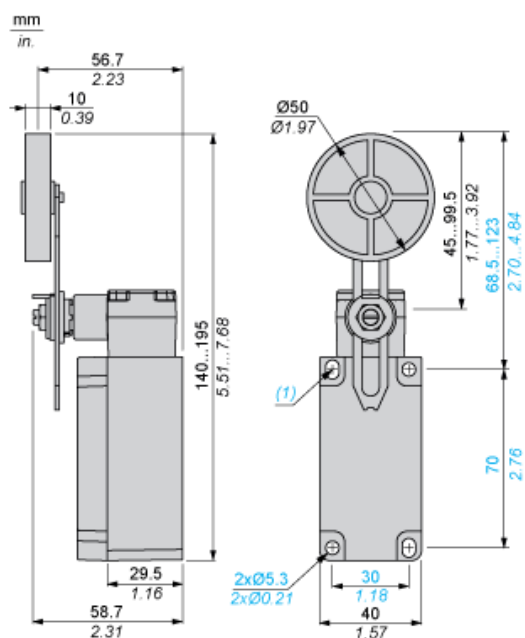
Packing Units

Package 1 Height	0.570 dm
Package 1 width	0.900 dm
Package 1 Length	1.560 dm

Offer Sustainability

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	 Yes

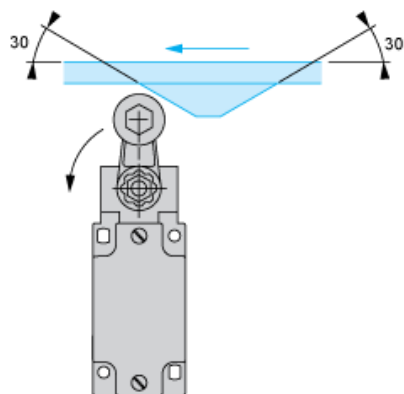
Dimensions



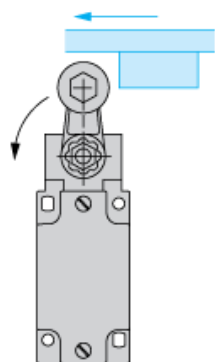
(1) 2 elongated holes 5.3 x 7.3 mm / 0.21 x 0.29 in.

Mounting with Rotary Head and Roller Lever

Recommended Mounting

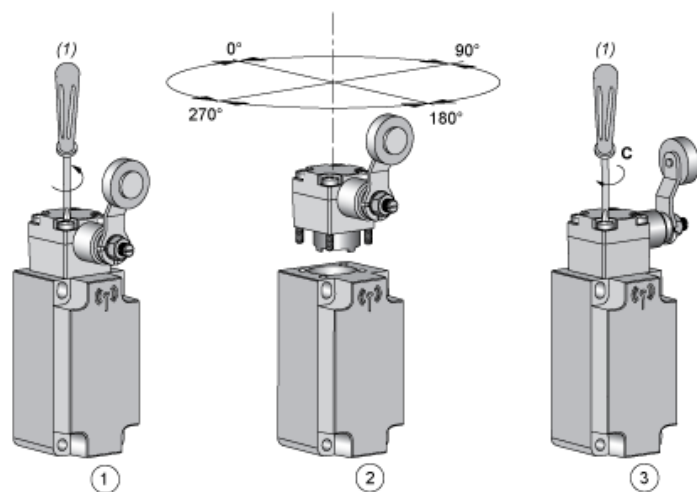


Mounting to be Avoided



Mounting

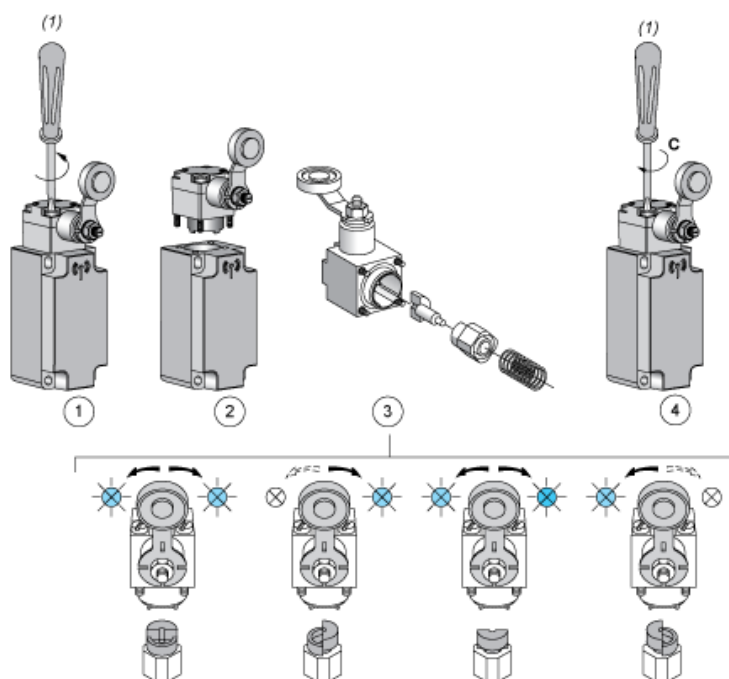
Head Orientation



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

Mounting

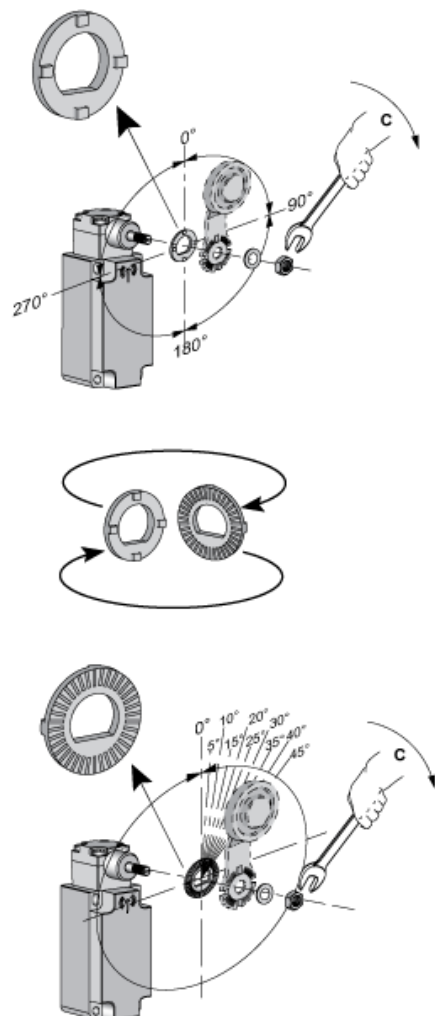
Actuator Direction Setting



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

Mounting

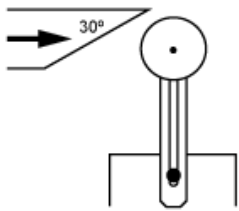
Actuator Angle Setting



C : 1 Nm ($\pm 20\%$) / 8.85 lb-in ($\pm 20\%$)

Mounting

Characteristics of Actuation



Technical Description

Functionnal Diagram, Travel Distance



- (1) Reset
- (2) Set