



Main

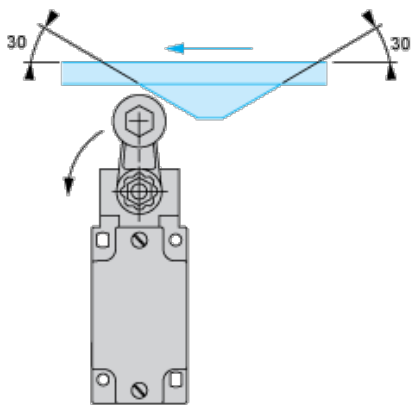
Range of product	OsiSense XC
Series name	Standard format
Product or component type	Wireless limit switch
Device short name	XCKW
Body type	Fixed
Head type	Rotary head

Complementary

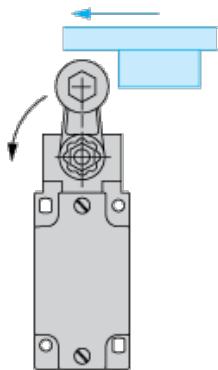
Body material	Plastic
Head material	Plastic
Lever material	Metal
Fixing mode	By 4 screws
Type of operator	Elastomer spring return roller lever with roller diameter 50 mm
Switch actuation	By 30° cam
Type of approach	1 or 2 programmable direction lateral approach
Communication network type	ZigBee green 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	328.08 ft (100 m) in free field 82.02 ft (25 m) in industrial environment 300 m with external antenna
Contact operation	Snap action
Number of steps	1
Minimum torque for tripping	4.42 lbf.in (0.5 N.m)
Maximum actuation speed	3.28 ft/s (1 m/s)
Operating rate	<= 60 cyc/mn
Mechanical durability	400000 cycles
Switching operation per year	3600
Width	1.97 in (50 mm)
Height	5.94 in (151 mm)
Depth	2.68 in (68 mm)
Product weight	0.49 lb(US) (0.22 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
IK degree of protection	IK05 conforming to EN 50102
ambient air temperature for operation	-13...131 °F (-25...55 °C)

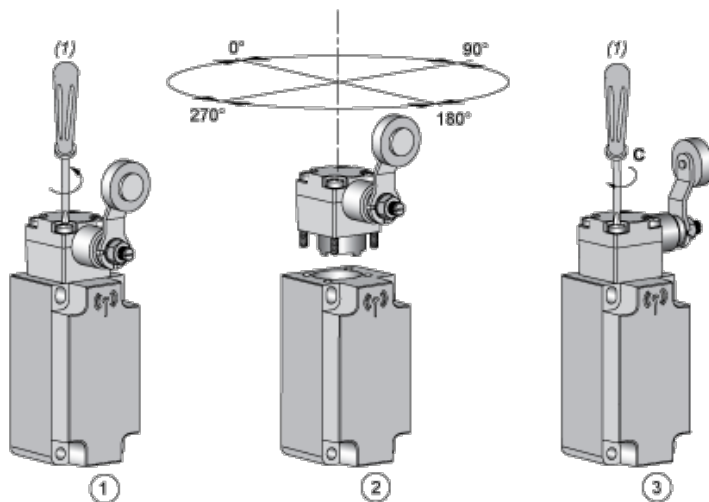


Mounting to be Avoided



Mounting

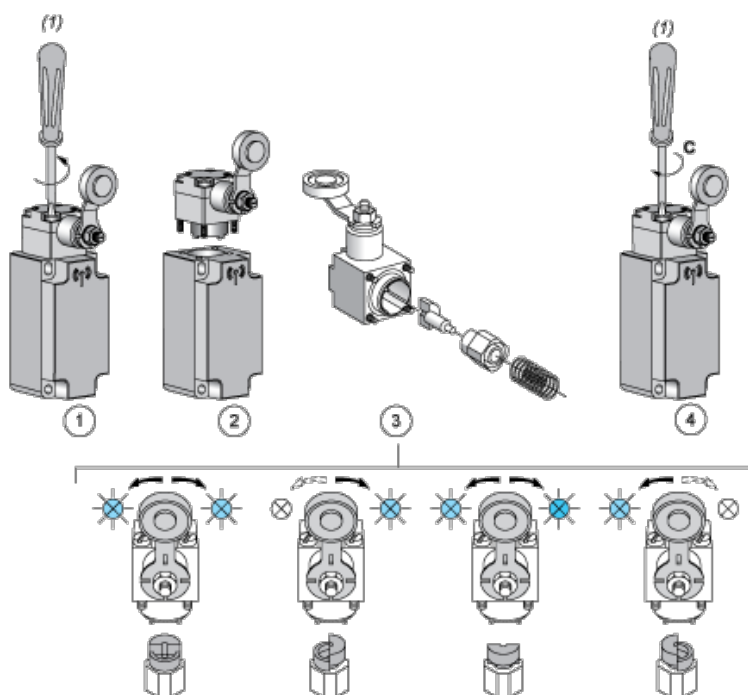
Head Orientation



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

Mounting

Actuator Direction Setting

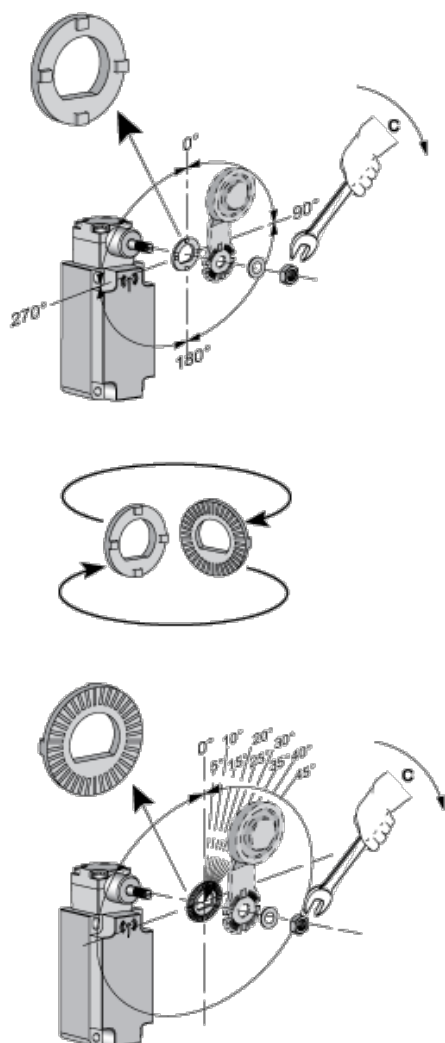


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C : 1 Nm ($\pm 20\%$) / 8.85 lb-in ($\pm 20\%$)

Mounting

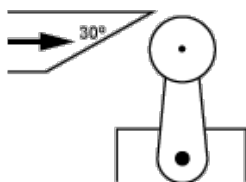
Actuator Angle Setting



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