XCKW139



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

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

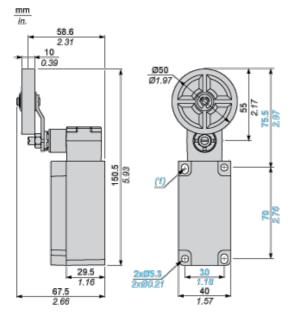
electromagnetic compatibility	Immunity for industrial environments Radiated emission Susceptibility to electromagnetic fields: 3 V/m, 802700 MHz, distance = 20 m Susceptibility to electromagnetic fields: 10 V/m, 802000 MHz Electrostatic discharge immunity test: 6 kV, on contact (on metal parts) Electrostatic 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: 211 Hz) conforming to IEC 60068-2-6 25 gn (vibration frequency: 10500 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	-13131 °F (-2555 °C)

ambient air temperature for storage	-40158 °F (-4070 °C)
directives	2004/108/EC - electromagnetic compatibility 1999/5/EC - R&TTE directive
standards	EN/IEC 60947-1 EN/IEC 60947-5-1
radio agreement	IC RSS FCC RCM

Offer Sustainability

Not Green Premium product	Not Green Premium product	
Compliant - since 1545 - Schneider Electric declaration of conformity	Compliant - since 1545 - Schneider Electric declaration of conformity	
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold	
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:	
Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and	
Di-isodecyl phthalate (DIDP), which is known to the StateDi-isodecyl phthalate (DIDP), which is known to the State of California to cause birth of California to cause birth defects or other reproductive defects or other reproductive harm.		
For more information go to www.p65warnings.ca.gov	For more information go to www.p65warnings.ca.gov	

Dimensions

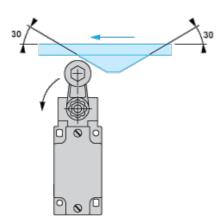


(1) 2 elongated holes 5.3 x 7.3 mm / 0.21 x 0.29 in.

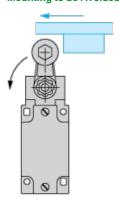
Mounting with Rotary Head and Roller Lever

Recommended Mounting



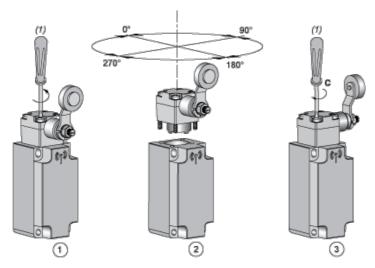


Mounting to be Avoided



Mounting

Head Orientation

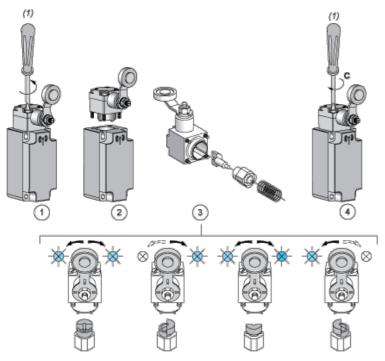


(1) PZ1, pozidriv screwdriver, size 1

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

Mounting

Actuator Direction Setting

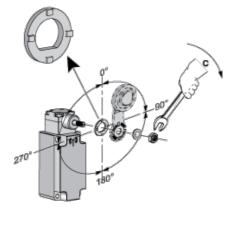


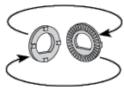
(1) PZ1, pozidriv screwdriver, size 1

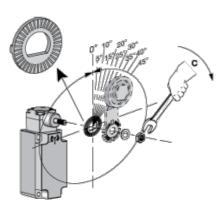
C: 1 Nm (± 20 %) / 8.85 lb-in (± 20 %)

Mounting

Actuator Angle Setting



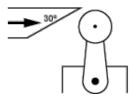




C: 1 Nm (± 20 %) / 8.85 lb-in (± 20 %)

Mounting

Characteristics of Actuation



Technical Description

Functionnal Diagram, Travel Distance



- (1) Reset
- (2) Set