



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	Plunger head

Complementary

Body material	Plastic
Head material	Plastic
Lever material	Metal
Fixing mode	By 4 screws
Type of operator	Spring return roller plunger metal
Switch actuation	By 30° cam
Type of approach	Lateral approach, 2 directions
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 force for tripping	50 N
Maximum actuation speed	0.5 m/s
Maximum operating rate	60 cyc/mn
Mechanical durability	400000 cycles
Switching operation per hour	3600
Width	40 mm
Height	125 mm
Depth	41 mm
Net weight	0.22 kg

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	2004/108/EC - electromagnetic compatibility 1999/5/EC - R&TTE directive
Standards	EN/IEC 60947-5-1 EN/IEC 60947-1
Radio agreement	IC conforming to RSS FCC conforming to RCM

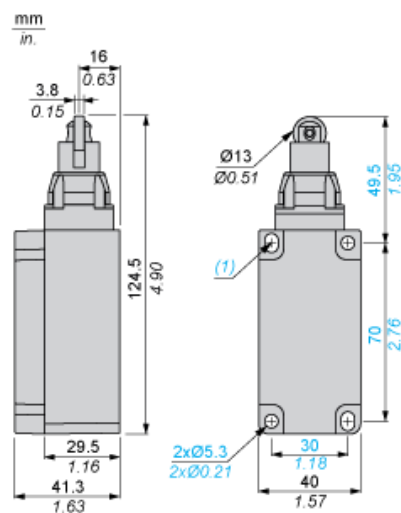
Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	164 g
Package 1 Height	4.6 cm
Package 1 width	14.4 cm
Package 1 Length	6.6 cm
Unit Type of Package 2	S02
Number of Units in Package 2	18
Package 2 Weight	3.307 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm

Offer Sustainability

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

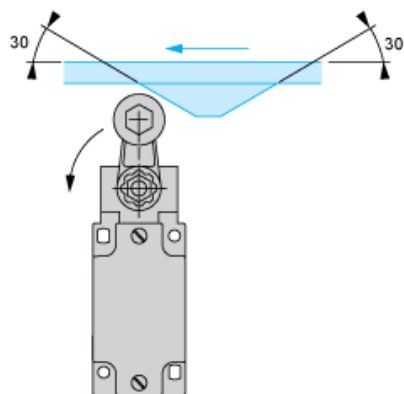
Dimensions



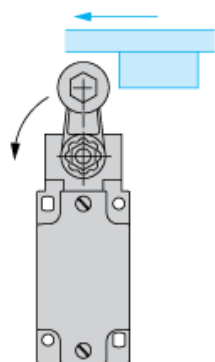
(1) 2 elongated holes 5.3 x 7.3 mm / 0.21 x 0.29 in.

Mounting with Rotary Head and Roller Lever

Recommended Mounting

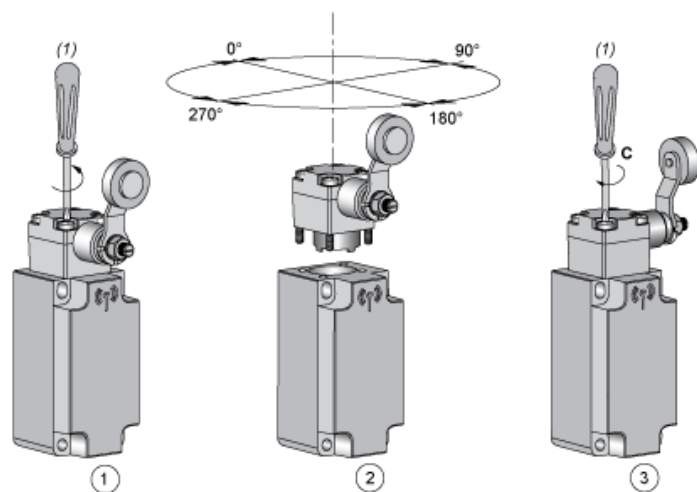


Mounting to be Avoided



Mounting

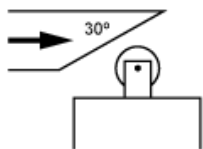
Head Orientation



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

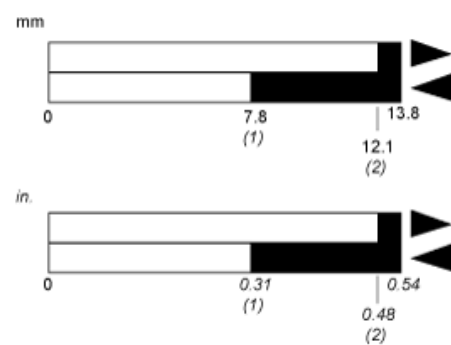
Mounting

Characteristics of Actuation



Technical Description

Functionnal Diagram, Travel Distance



- (1) Reset
(2) Set