Product datasheet Characteristics

XCKW101



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	Plunger head

Complementary

Body material	Plastic
lead material	Plastic
ever material	Metal
Fixing mode	By 4 screws
ype of operator	Metal spring return plunger
Switch actuation	On end
ype of approach	1 direction vertical 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
Aaximum 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
Aaximum force for tripping	50 N
Aaximum actuation speed	1.64 ft/s (0.5 m/s)
Dperating rate	<= 60 cyc/mn
lechanical durability	400000 cycles
Switching operation per year	3600
Vidth	1.57 in (40 mm)
leight	4.41 in (112 mm)
Depth	1.61 in (41 mm)
Product weight	0.46 lb(US) (0.21 kg)

Environment

electromagnetic compatibility	Immunity for industrial environments
Siestiennaghette eenipatibility	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
5	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	

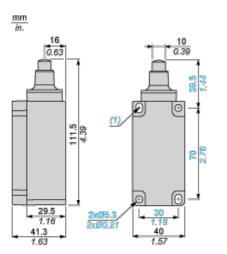
Offer Sustainability

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	e Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive	eDi-isodecyl phthalate (DIDP), which is known to the State of California to cause birth

harm.

For more information go to www.p65warnings.ca.gov For more information go to www.p65warnings.ca.gov

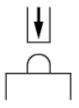
Dimensions



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

Mounting

Characteristics of Actuation



Technical Description

Functionnal Diagram, Travel Distance



