XCKJ10513H29





Main

Range of product	OsiSense XC
Series name	Standard format
Product or component type	Limit switch
Device short name	XCKJ
Sensor design	Form A conforming to CENELEC EN 50041
Body type	Fixed
Head type	Rotary head
Material	Metal
Body material	Zamak
Head material	Zamak
Fixing mode	By the body
Movement of operating head	Rotary
Type of operator	Spring return roller lever metal
Type of approach	Lateral approach 1 or 2 programmable direction
Cable entry	1 entry tapped for M20 x 1.5 cable gland, cable outer diameter: 0.280.51 in (713 mm)
Number of poles	2
Contacts type and composition	1 NC + 1 NO
Contact operation	Snap action

Complementary

Complementary	
Switch actuation	By 30° cam
Electrical connection	Screw-clamp terminals, clamping capacity: 1 x 0.342 x 1.5 mm ²
Contacts insulation form	Zb
Number of steps	1
Positive opening	With
Positive opening minimum torque	4.42 lbf.in (0.5 N.m)
Minimum torque for tripping	2.21 lbf.in (0.25 N.m)
Maximum actuation speed	4.92 ft/s (1.5 m/s)
[le] rated operational current	3 A at 240 V, AC-15, A300 conforming to EN/IEC 60947-5-1 appendix A 0.27 A at 250 V, DC-13, Q300 conforming to EN/IEC 60947-5-1 appendix A
[Ithe] conventional enclosed thermal current	10 A
[Ui] rated insulation voltage	500 V degree of pollution 3 conforming to IEC 60947-1 300 V conforming to UL 508 300 V conforming to CSA C22.2 No 14
Resistance across terminals	<= 25 MOhm conforming to IEC 60255-7 category 3
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60664 6 kV conforming to IEC 60947-1
Short-circuit protection	10 A by gG cartridge fuse
Electrical durability	5000000 cycles, DC-13, inductive load type, 120 V, 4 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 cycles, DC-13, inductive load type, 24 V, 10 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 cycles, DC-13, inductive load type, 48 V, 7 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C
Mechanical durability	30000000 cycles
Width	1.57 in (40 mm)
Height	3.03 in (77 mm)
Depth	1.73 in (44 mm)

Product weight	1.08 lb(US) (0.49 kg)
Terminals description ISO n°1	(13-14)NO (21-22)NC

Environment

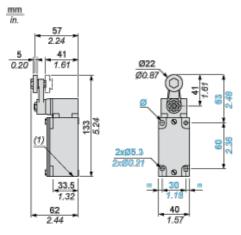
shock resistance	50 gn (duration = 11 ms) conforming to IEC 60068-2-27	•
vibration resistance	25 gn (f = 10500 Hz) conforming to IEC 60068-2-6	
IP degree of protection	IP66 conforming to IEC 60529	
IK degree of protection	IK07 conforming to EN 50102	
overvoltage category	Class I conforming to NF C 20-030 Class I conforming to IEC 61140	
ambient air temperature for operation	-13158 °F (-2570 °C)	
ambient air temperature for storage	-40158 °F (-4070 °C)	
protective treatment	TC	
product certifications	CCC CSA UL	
standards	CENELEC EN 50041 EN 60204-1 EN 60947-5-1 IEC 60204-1 IEC 60947-5-1 UL 508 CSA C22.2 No 14	

Offer Sustainability

Green Premium product	Green Premium product	
Compliant - since 0951 - Schneider Electric declaration of conformity	Compliant - since 0951 - Schneider Electric declaration of conformity	
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold	
Need no specific recycling operations	Need no specific recycling operations	
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	

Contractual warranty

Dimensions

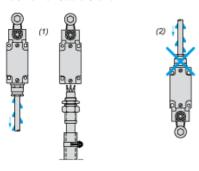


(1) 1 tapped entry M20 x 1.5



Mounting with Cable Entry

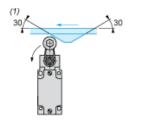
Position of Cable Gland

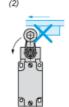


- (1) Recommended
- (2) To be avoided

Mounting with Rotary Heads and Levers

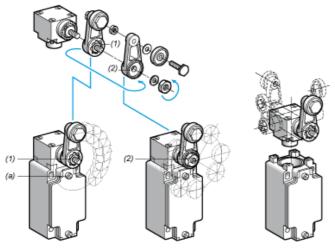
Type of Cam





- (1) Recommended
- (2) To be avoided

Setting-up with Lever Head



- (1) 5° steps throughout 360° / Tightening torque (Min : 1) (Max : 1.5)
- (2) 45° steps throughout 360° / Tightening torque (Min : 1) (Max : 1.5)
- (a) Tightening torque (Min: 1) (Max: 1.5)

Setting-up with Head ZCKE05

Direction of Actuation Programming



Wiring Diagram

2-pole NC + NO Snap Action

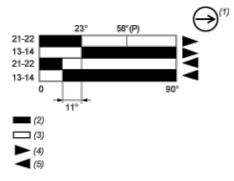


Characteristics of Actuation

Switch Actuation on End



Functionnal Diagram



- (P) Positive opening point
- (1) NC contact with positive opening operation
- (2) Closed
- (3) Open
- (4) Tripping
- (5) Resetting