XCKN2703P20





Main

Range of product	OsiSense XC
Series name	Standard format
Product or component type	Limit switch
Device short name	XCKN
Sensor design	Compact
Body type	Fixed
Head type	Plunger head
Material	Plastic
Body material	Plastic
Head material	Plastic
Fixing mode	By the body
Movement of operating head	Linear
Type of operator	Spring return roller plunger plastic (at 90°)
Type of approach	Traverse approach 2 directions
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	2 NC
Contact operation	Slow-break, simultaneous
Sale per indivisible quantity	20

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	
Positive opening	With	
Positive opening minimum force	20 N	
Minimum force for tripping	12 N	
Maximum actuation speed	0.98 ft/s (0.3 m/s)	
Contact code designation	R300, DC-13 (Ue = 250 V, Ie = 0.1 A) conforming to EN/IEC 60947-5-1 appendix A A300, AC-15 (Ue = 240 V, Ie = 3 A) , Ithe = 10 A conforming to EN/IEC 60947-5-1 appendix 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	
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60664 6 kV conforming to IEC 60947-1	
Short-circuit protection	10 A cartridge fuse type gG	
Mechanical durability	10000000 cycles	
Width	1.18 in (30 mm)	
Height	3.35 in (85 mm)	
Depth	1.18 in (30 mm)	
Product weight	0.14 lb(US) (0.065 kg)	
Terminals description ISO n°1	(11-12)NC (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	IP65 conforming to IEC 60529	
IK degree of protection	IK04 conforming to EN 50102	
overvoltage category	Class II conforming to IEC 61140 Class II conforming to NF C 20-030	
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	EN/IEC 60204-1 EN/IEC 60947-5-1 UL 508 CSA C22.2 No 14	

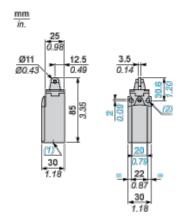
Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 1038 - Schneider Electric declaration of conformity	Compliant - since 1038 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
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 State of California to cause birth defects or other reproductive harm.	eDi-isodecyl phthalate (DIDP), which is known to the State of California to cause birth 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

Warranty period	18 months	

Dimensions

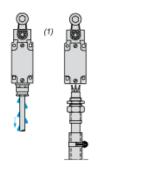


- (1) 1 tapped entry for M20 x 1.5
- (2) \varnothing : 2 elongated holes \varnothing 4.3 x 6.3 on 22 mm centres, 2 holes \varnothing 4.3 on 20 mm centres.

Mounting with Cable Entry

Position of Cable Gland







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

Wiring Diagram

2-pole NC + NC Simultaneous, Slow Break

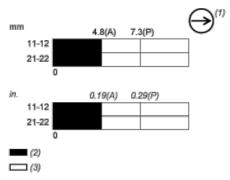


Characteristics of Actuation

Switch Actuation by 30° Cam



Functionnal Diagram



- (P) Positive opening point
- (A) Cam displacement
- (1) NC contact with positive opening operation
- (2) Closed
- (3) Open