

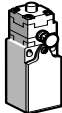
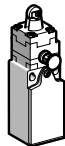
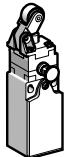
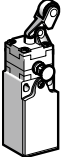
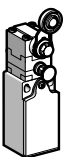
Limit switches

OsiSense XC Basic


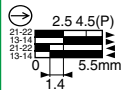
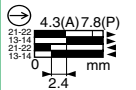
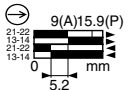
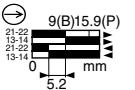
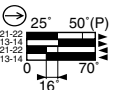

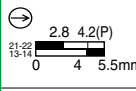
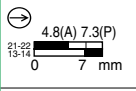
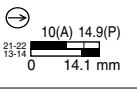
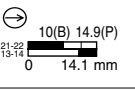
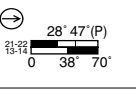


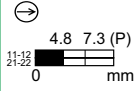
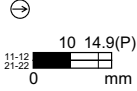
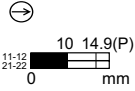
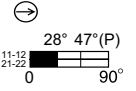

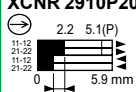
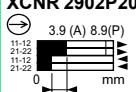
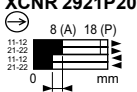
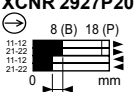
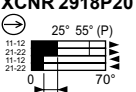



Compact design, plastic, with reset knob, type XCNR

Complete switches with 1 cable entry






1

Type of head	Plunger (fixing by the body)			Rotary (fixing by the body)	
					
Type of operator	Metal end plunger	Plastic roller plunger	Thermoplastic roller lever plunger, horizontal actuation in 1 direction	Thermoplastic roller lever plunger, vertical actuation in 1 direction	Thermoplastic roller lever
Sold and packed in lots of	10	10	10	10	10

References of complete switches with 1 ISO M20 x 1.5 cable entry

	XCNR 2110P20	XCNR 2102P20	XCNR 2121P20	XCNR 2127P20	XCNR 2118P20
 2-pole NC + NO snap action	 2.5 4.5(P) 5.5mm 1.4	 4.3(A) 7.8(P) 2.4	 9(A) 15.9(P) 5.2	 9(B) 15.9(P) 5.2	 25° 50°(P) 16° 70°
 2-pole NC + NO break before make, slow break	 2.8 4.2(P) 5.5mm	 4.8(A) 7.3(P) 7 mm	 10(A) 14.9(P) 14.1 mm	 10(B) 14.9(P) 14.1 mm	 28° 47°(P) 38° 70°
 2-pole NC + NC simultaneous, slow break	 2.8 4.2(P) 5mm	 4.8 7.3 (P) mm	 10 14.9(P) mm	 10 14.9(P) mm	 28° 47°(P) 90°
 2-pole NC + NC snap action	 2.2 5.1(P) 0.8 5.9 mm	 3.9 (A) 8.9(P) 1.4 mm	 8 (A) 18 (P) 2.9 mm	 8 (B) 18 (P) 2.9 mm	 25° 55°(P) 12° 70°
Weight (kg)	0.080	0.080	0.085	0.090	0.100
Contact operation	 closed  open	(A) (B) = cam displacement (P) = positive opening point		 NC contact with positive opening operation	

Characteristics

Switch actuation	On end	By 30° cam			
Type of actuation					
Maximum actuation speed	0.5 m/s	0.3 m/s	1 m/s	1.5 m/s	
Mechanical durability	100,000 operating cycles				
Minimum force or torque	For tripping	15 N	12 N	6 N	0.1 N.m
	For positive opening	30 N	20 N	10 N	0.15 N.m
Cable entry	1 entry tapped M20 x 1.5 mm for ISO cable gland, clamping capacity 7 to 13 mm				

References of complete switches with 1 Pg 11 cable entry

For complete switches with 1 Pg 11 cable entry replace P20 by G11.
Example: XCNR 2110P20 becomes **XCNR 2110G11**.

Other cable entries

For complete switches with ISO M16 x 1.5 or PF 1/2 (G 1/2) cable entry, please consult our Customer Care Centre.

Other contacts

For complete switches with 2-pole contacts:
NC + NO make before break, slow break,
NO + NO simultaneous, slow break, please consult our Customer Care Centre.

For complete switches with 3-pole contacts:
NC + NO + NO snap action,
NC + NC + NO snap action,
NC + NC + NO break before make, slow break,
NC + NO + NO break before make, slow break, please consult our Customer Care Centre.

Limit switches

OsiSense XC Basic

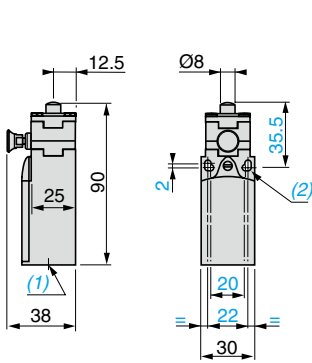
Compact design, plastic, with reset knob, type XCNR

Complete switches with 1 cable entry

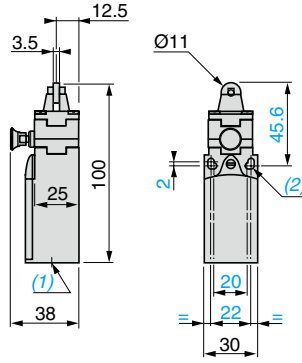
1

Dimensions

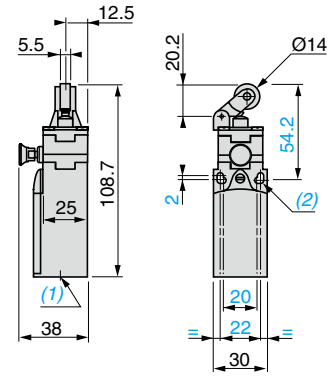
XCNR 2•10P20



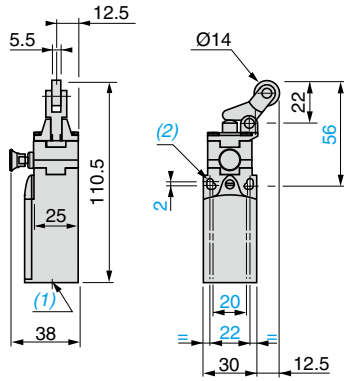
XCNR 2•02P20



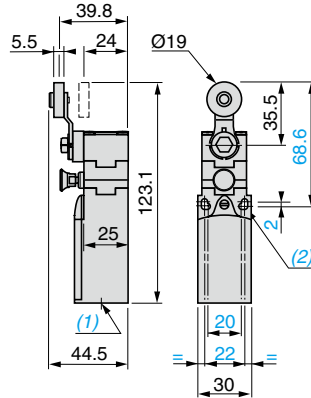
XCNR 2•21P20



XCNR 2•27P20



XCNR 2•18P20



(1) 1 tapped entry for ISO M20 x 1.5 or Pg 11 cable gland.

(2) Ø: 2 elongated holes Ø 4.3 x 6.3 on 22 mm centres, 2 holes Ø 4.3 on 20 mm centres.

Environment characteristics		
Conformity to standards	Products	IEC 60947-5-1, EN 60947-5-1, UL 508, CSA C22-2 n° 14
	Machine assemblies	IEC 60204-1, EN 60204-1
Product certifications		UL, CSA, CCC (pending)
Protective treatment	Version	Standard: "TC"
Ambient air temperature	For operation	- 25...+ 70°C
	For storage	- 40...+ 70°C
Vibration resistance	Conforming to IEC 60068-2-6	25 gn (10...500 Hz)
Shock resistance	Conforming to IEC 60068-2-27	50 gn (11 ms)
Electric shock protection		Class II conforming to IEC 61140 and NF C 20030
Degree of protection		IP 65 conforming to IEC 60529; IK 04 conforming to EN 50102
Cable entry		Depending on model: tapped entry, for ISO M20 x 1.5 or Pg 11 cable gland, ISO M16 x 1.5 cable gland or PF 1/2 (G 1/2)
Materials	Bodies	Plastic
	Heads	Plastic
Contact block characteristics		
Rated operational characteristics		~ AC-15; A300 (Ue = 240 V, Ie = 3 A); Ithe = 10 A ≡ DC-13; R300 (Ue = 250 V, Ie = 0.1 A), conforming to IEC 60947-5-1 Appendix A, EN 60947-5-1
Rated insulation voltage	2-pole contact	Ui = 500 V degree of pollution 3 conforming to IEC 60947-1 Ui = 300 V conforming to UL 508, CSA C22-2 n° 14
Rated impulse withstand voltage	2-pole contact	U imp = 6 kV conforming to IEC 60947-1, IEC 60664
Positive operation		NC contacts with positive opening operation conforming to IEC 60947-5-1 Appendix K, EN 60947-5-1
Short-circuit protection		10 A cartridge fuse type gG (gl)
Connection	Screw clamp terminals	Clamping capacity, min: 1 x 0.34 mm ² , max: 2 x 1.5 mm ²