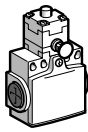
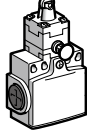

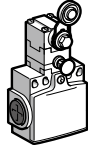


# Limit switches


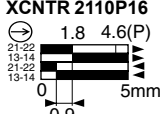
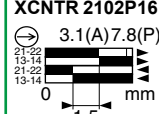
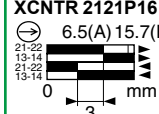
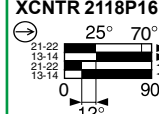

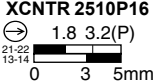
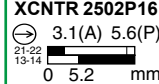
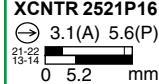
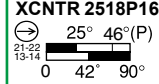

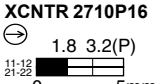
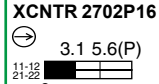
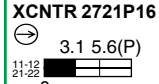




OsiSense XC Basic

Compact design, plastic, with reset knob, type XCNTR





Complete switches with 2 cable entries

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
Sold and packed in lots of	10	10	10	10

## References of complete switches with 2 ISO M16 x 1.5 cable entries

	XCNTR 2110P16	XCNTR 2102P16	XCNTR 2121P16	XCNTR 2118P16
 <b>2-pole NC + NO snap action</b>	 1.8 4.6(P)	 3.1(A) 7.8(P)	 6.5(A) 15.7(P)	 25° 70°(P)
 <b>2-pole NC + NO break before make, slow break</b>	 1.8 3.2(P)	 3.1(A) 5.6(P)	 3.1(A) 5.6(P)	 25° 46°(P)
 <b>2-pole NC + NC simultaneous, slow break</b>	 1.8 3.2(P)	 3.1 5.6(P)	 3.1 5.6(P)	 25°
Weight (kg)	0.105	0.110	0.135	0.095
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	2 entries tapped M16 x 1.5 mm for ISO cable gland, clamping capacity 4 to 8 mm				

## References of complete switches with 2 Pg 11 cable entries

For complete switches with 2 Pg 11 cable entries replace P16 by G11.  
Example: XCNTR 2110P16 becomes **XCNTR 2110G11**.

## Complete switches with 1/2" NPT cable entry

For complete switches with 1/2" NPT cable entry use adaptor DE9 RA1012 (compatible with XCNTR●●●●G11).



DE9 RA1012

Description	Sold in lots of	Unit reference	Weight kg
Adaptor for 1/2" NPT conduit	10	DE9 RA1012	0.050

## Other contacts

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

# Limit switches

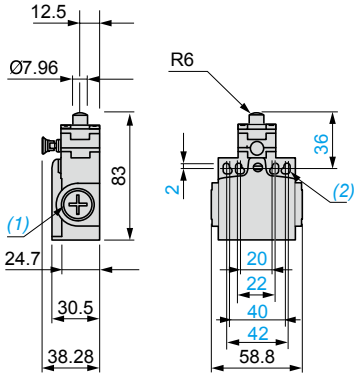
OsiSense XC Basic

Compact design, plastic, with reset knob, type XCNTR

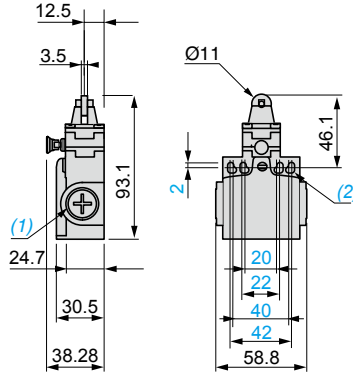
Complete switches with 2 cable entries

## Dimensions

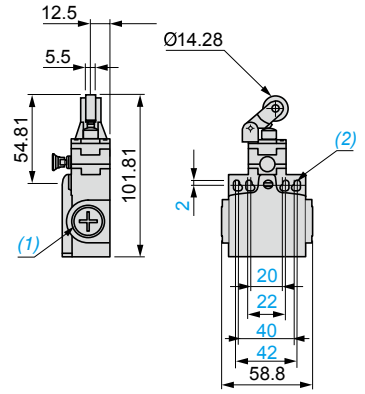
**XCNTR 2•10P16**



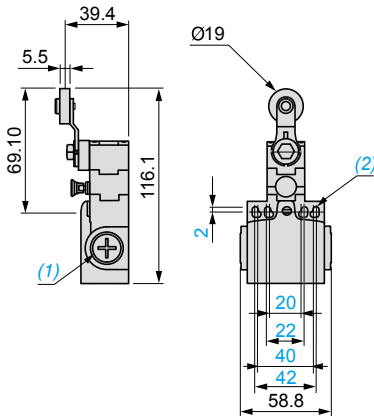
**XCNTR 2•02P16**



**XCNTR 2•21P16**



**XCNTR 2•18P16**



(1) 2 tapped entries for ISO M16 x 1.5 or Pg 11 cable gland.  
 (2) Ø: 4 elongated holes Ø 4.3 x 6.3.

Environment characteristics		
<b>Conformity to standards</b>	Products	IEC 60947-5-1, EN 60947-5-1, UL 508, CSA C22-2 n° 14
	Machine assemblies	IEC 60204-1, EN 60204-1
<b>Product certifications</b>		UL, CSA, CCC (pending)
<b>Protective treatment</b>	Version	Standard: "TC"
<b>Ambient air temperature</b>	For operation	- 25...+ 70°C
	For storage	- 40...+ 70°C
<b>Vibration resistance</b>	Conforming to IEC 60068-2-6	25 gn (10...500 Hz)
<b>Shock resistance</b>	Conforming to IEC 60068-2-27	50 gn (11 ms)
<b>Electric shock protection</b>		Class II conforming to IEC 61140 and NF C 20030
<b>Degree of protection</b>		<b>IP 65 conforming to IEC 60529; IK 04 conforming to EN 50102</b>
<b>Cable entry</b>		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)
<b>Materials</b>	Bodies	Plastic
	Heads	Plastic
Contact block characteristics		
<b>Rated operational characteristics</b>		~ 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
<b>Rated insulation voltage</b>	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
<b>Rated impulse withstand voltage</b>	2-pole contact	U imp = 6 kV conforming to IEC 60947-1, IEC 60664
<b>Positive operation</b>		NC contacts with positive opening operation conforming to IEC 60947-5-1 Appendix K, EN 60947-5-1
<b>Short-circuit protection</b>		10 A cartridge fuse type gG (gl)
<b>Connection</b>	Screw clamp terminals	Clamping capacity, min: 1 x 0.34 mm <sup>2</sup> , max: 2 x 1.5 mm <sup>2</sup>