



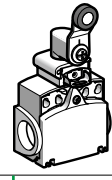
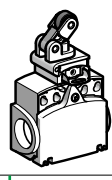
Limit switches


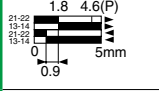
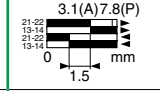
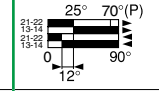
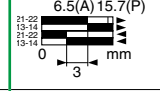


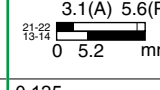
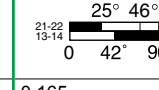
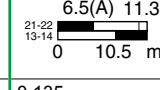
OsiSense XC Standard

Compact design, plastic, with reset, type XCTR

Complete switches with 2 cable entries

1

Type of head	Plunger (fixing by the body)			
				
Type of operator	Metal end plunger	Steel roller plunger	Thermoplastic roller lever plunger	Thermoplastic roller lever plunger, horizontal actuation in 1 direction




References of complete switches with 2 ISO M16 x 1.5 cable entries				
	2-pole NC + NO snap action (XE2S P3151)  1.8 4.6(P)	XCTR 2102P16  3.1(A) 7.8(P)	XCTR 2118P16  25° 70°(P)	XCTR 2121P16  6.5(A) 15.7(P)
	2-pole NC + NO break before make, slow break (XE2N P3151)  1.8 3.2(P)	XCTR 2502P16  3.1(A) 5.6(P)	XCTR 2518P16  25° 46°(P)	XCTR 2521P16  6.5(A) 11.3(P)
Weight (kg)	0.120	0.125	0.165	0.135

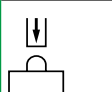
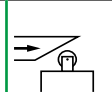
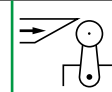
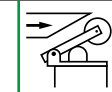
References of complete switches with 2 Pg 11 cable entries

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

References of complete switches with 2 entries tapped for 1/2" NPT conduit

For complete switches with 2 entries for 1/2" NPT conduit replace P16 by N12.
 Example: XCTR 2110P16 becomes **XCTR 2110N12**.

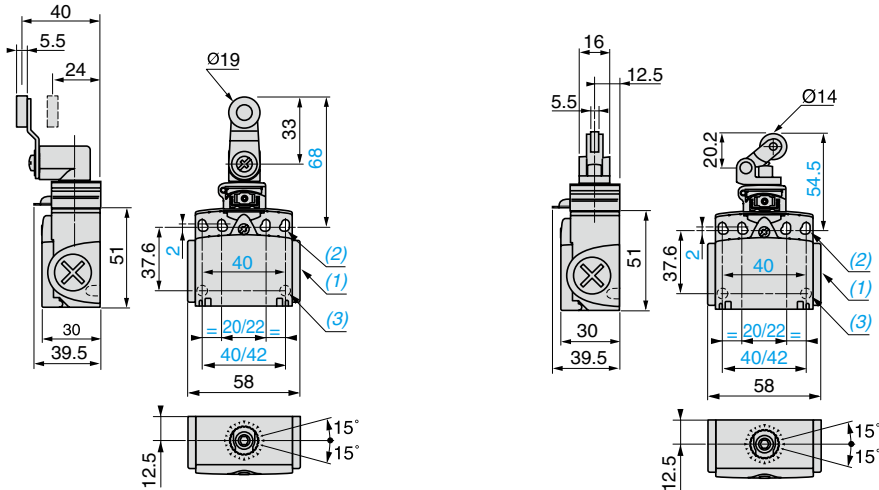
Contact operation  closed  open	(A) = cam displacement (P) = positive opening point  NC contact with positive opening operation
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Characteristics					
Switch actuation		On end	By 30° cam		
Type of actuation					
Maximum actuation speed		0.5 m/s		1.5 m/s	1 m/s
Minimum force or torque	For tripping	15 N	12 N	0.1 N.m	6 N
	For positive opening	45 N	36 N	0.25 N.m	18 N
Cable entry (1 entry fitted with blanking plug)		2 entries tapped M16 x 1.5 mm for ISO cable gland, clamping capacity 4 to 8 mm 2 entries tapped Pg 11 for cable gland, clamping capacity 7 to 10 mm 2 entries tapped for 1/2" NPT (USAS B2-1) conduit using Pg 11 - 1/2" NPT adaptor DE9 RA1012			

Dimensions

XCTR 2●18●●●

XCTR 2●21●●●



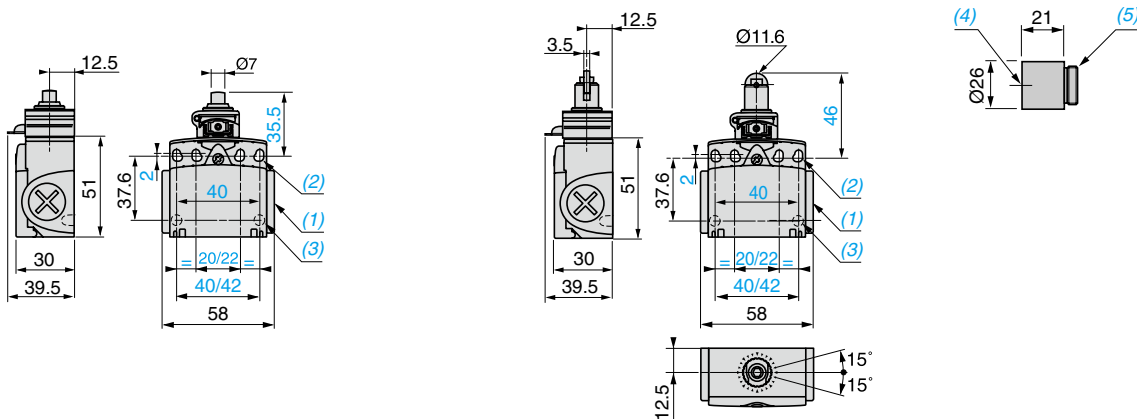
- (1) Tapped entry for ISO M16 x 1.5 or Pg 11 cable gland or 1/2" NPT conduit.
- (2) 4 elongated holes $\varnothing 4.3 \times 6.3$ mm on 22/42 mm centres, 4 holes $\varnothing 4.3$ on 20/40 mm centres.
- (3) 2 x $\varnothing 3$ holes for support studs, depth 4 mm.

Dimensions

XCTR 2●10●●●

XCTR 2●02●●●

DE9 RA1012



- (1) Tapped entry for ISO M16 x 1.5 or Pg 11 cable gland or tapped 1/2" NPT.
- (2) 4 elongated holes $\varnothing 4.3 \times 6.3$ mm on 22/42 mm centres, 4 holes $\varnothing 4.3$ on 20/40 mm centres.
- (3) 2 x $\varnothing 3$ holes for support studs, depth 4 mm.
- (4) Tapped entry for 1/2" NPT conduit.
- (5) Pg 11 threaded sleeve.

Limit switches

OsiSense XC Standard

Compact design, plastic, with reset,
types XCP R and XCT R

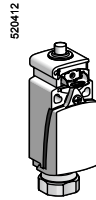
Compact design, metal, with reset, type XCD R

1

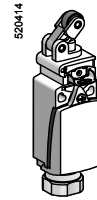
■ XCP R, XCD R
with 1 cable entry

□ With head for linear movement (plunger). Fixing by the body

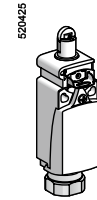
XCD R



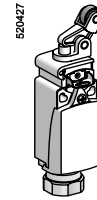
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XCP R

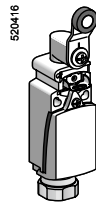


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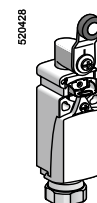
□ With head for rotary movement (lever) or multi-directional. Fixing by the body

XCD R



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XCP R

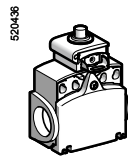


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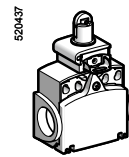
■ XCT R
with 2 cable entries
Tripping/resetting points and fixing centres
conform to CENELEC 50047

□ With head for linear movement (plunger). Fixing by the body

XCT R

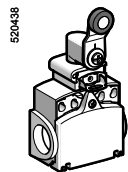


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□ With head for rotary movement (lever) or multi-directional. Fixing by the body

XCT R



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Limit switches

OsiSense XC Standard

Compact design, plastic, with reset,
types XCP R and XCT R

Compact design, metal, with reset, type XCD R

Compact design, metal, with reset, type XCD R

Environment characteristics		
Conformity to standards	Products	EN/IEC 60947-5-1, UL 508, CSA C22-2 n° 14
	Machine assemblies	EN/IEC 60204-1
Product certifications		UL, CSA
Protective treatment	Standard version	"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 20-030 for XCP R and XCT R
		Class I conforming to IEC 61140 and NF C 20-030 for XCD R
Degree of protection		IP 66 and IP 67 conforming to IEC 60529; IK 04 conforming to EN 50102
Repeat accuracy		0.1 mm on the tripping points, with 1 million operating cycles for head with end plunger
Cable entry	Depending on model	Either: tapped entry for n° 13 cable gland, tapped ISO M20 x 1.5 or tapped 1/2" NPT
Materials		XCD R : zamak bodies and heads, XCP R and XCT R : plastic bodies, zamak heads
Contact block characteristics		
Rated operational characteristics		~ AC-15; A300 (Ue = 240 V, Ie = 3 A); Ithe = 10 A --- DC-13; Q300 (Ue = 250 V, Ie = 0.27 A), conforming to EN/IEC 60947-1 Appendix A
Rated insulation voltage		Ui = 500 V degree of pollution 3 conforming to IEN/IEC 60947-1 Ui = 300 V conforming to UL 508, CSA C22-2 n° 14
Rated impulse withstand voltage		U imp = 6 kV conforming to EN/IEC 60947-1, IEC 60664
Positive operation (depending on model)		NC contacts with positive opening operation conforming to EN/IEC 60947-5-1 Appendix K
Resistance across terminals		≤ 25 mΩ conforming to IEC 60255-7 category 3
Short-circuit protection		10 A cartridge fuse type gG (gl)
Connection (screw clamp terminals)	XE2S P2151	Clamping capacity, min: 1 x 0.34 mm ² , max: 2 x 1.5 mm ²
	XE2N P2151	Clamping capacity, min: 1 x 0.5 mm ² , max: 2 x 2.5 mm ²
Minimum actuation speed (for head with end plunger)		XE2S P2151 : 0.01 m/minute
		XE2N P2151 : 6 m/minute