

Limit switches

Osiswitch® Application

Compact design, plastic, with reset, type XCPR

Complete units with 1 cable entry

Type of head	Plunger (fixing by the body)				Rotary (fixing by the body)	

Type of operator	Metal end plunger	Steel roller plunger	Thermoplastic roller lever plunger, horizontal actuation in 1 direction	Thermoplastic roller lever plunger, vertical actuation in 1 direction	Thermoplastic roller lever	Steel roller lever
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References of the complete units with 1 ISO M20 x 1.5 cable entry

2-pole N/C + N/O snap action (XE2S P2151)	XCPR 2110P20	XCPR 2102P20	XCPR 2121P20	XCPR 2127P20	XCPR 2118P20	XCPR 2119P20

References of the complete units with 1 Pg 13.5 cable entry

2-pole N/C + N/O snap action (XE2S P2151)	XCPR 2110G13	XCPR 2102G13	XCPR 2121G13	XCPR 2127G13	XCPR 2118G13	XCPR 2119G13

References of the complete units with 1 1/2" NPT cable entry

2-pole N/C + N/O snap action (XE2S P2151)	XCPR 2110N12	XCPR 2102N12	XCPR 2121N12	XCPR 2127N12	XCPR 2118N12	XCPR 2119N12

Weight (kg)	0.115	0.115	0.125	0.120	0.155	0.155
Contact operation			(A) = cam displacement (P) = positive opening point			

Characteristics

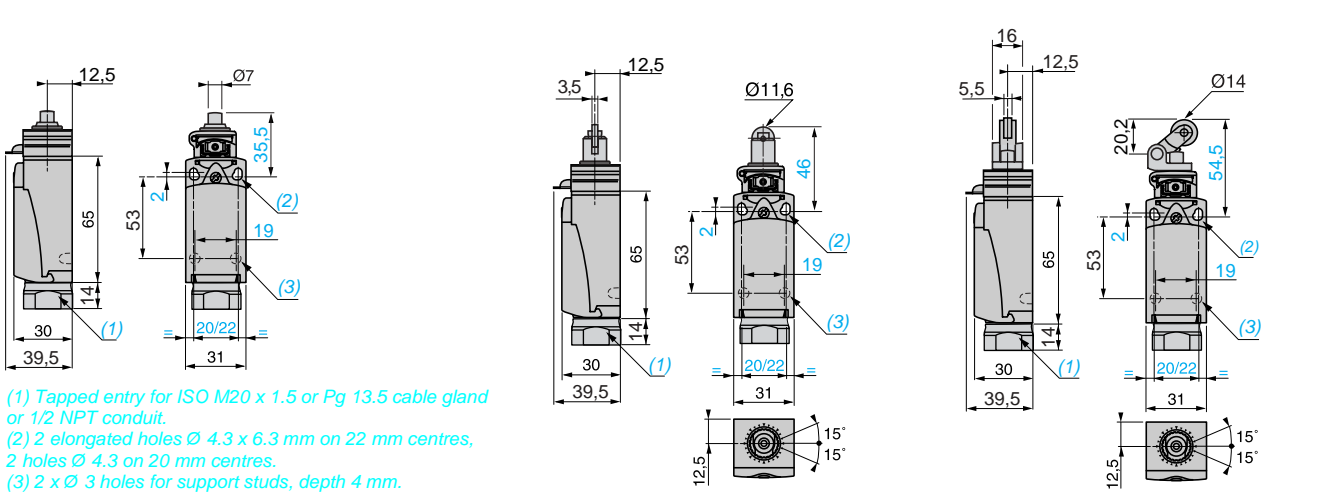
Switch actuation	On end	By 30° cam				
Type of actuation						

Maximum actuation speed	0.5 m/s		1 m/s		1.5 m/s	
Minimum force or torque	For tripping For positive opening	15 N 45 N	12 N 36 N	6 N 18 N		0.1 N.m 0.25 N.m

Cable entry: 1 entry tapped M20 x 1.5 mm for ISO cable gland, clamping capacity 7 to 13 mm, or 1 entry tapped for Pg 13.5 cable gland, clamping capacity 9 to 12 mm, or 1 entry tapped for 1/2" NPT conduit (USAS B2-1).

Dimensions

XCPR 2●10●●●	XCPR 2●02●●●	XCPR 2●21●●●
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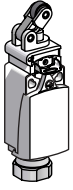
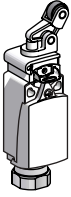
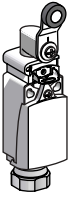



Limit switches

Osiswitch® Application



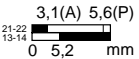
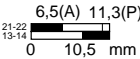
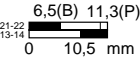
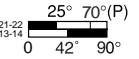
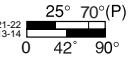
Compact design, plastic, with reset, type XCPR

Complete units with 1 cable entry


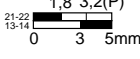
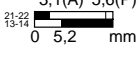
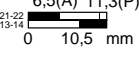
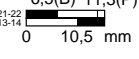
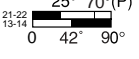
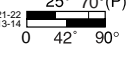
Type of head	Plunger (fixing by the body)				Rotary (fixing by the body)	
						

Type of operator	Metal end plunger	Steel roller plunger	Thermoplastic roller lever plunger, horizontal actuation in 1 direction	Thermoplastic roller lever plunger, vertical actuation in 1 direction	Thermoplastic roller lever	Steel roller lever
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References of the complete units with 1 ISO M20 x 1.5 cable entry

 <p>2-pole N/C + N/O break before make, slow break (XE2N P2151)</p>	XCPR 2510P20 ⊖	XCPR 2502P20 ⊖	XCPR 2521P20 ⊖	XCPR 2527P20 ⊖	XCPR 2518P20 ⊖	XCPR 2519P20 ⊖
						
	1,8 3,2(P)	3,1(A) 5,6(P)	6,5(A) 11,3(P)	6,5(B) 11,3(P)	25° 70°(P)	25° 70°(P)
	0 3 5mm	0 5,2 mm	0 10,5 mm	0 10,5 mm	0 42° 90°	0 42° 90°
	21-22 13-14	21-22 13-14	21-22 13-14	21-22 13-14	21-22 13-14	21-22 13-14
	13	21	14	22	13	21
	14	22	14	22	14	22

References of the complete units with 1 Pg 13.5 cable entry






 <p>2-pole N/C + N/O break before make, slow break (XE2N P2151)</p>	XCPR 2510G13 ⊖	XCPR 2502G13 ⊖	XCPR 2521G13 ⊖	XCPR 2527G13 ⊖	XCPR 2518G13 ⊖	XCPR 2519G13 ⊖
						
	1,8 3,2(P)	3,1(A) 5,6(P)	6,5(A) 11,3(P)	6,5(B) 11,3(P)	25° 70°(P)	25° 70°(P)
	0 3 5mm	0 5,2 mm	0 10,5 mm	0 10,5 mm	0 42° 90°	0 42° 90°
	21-22 13-14	21-22 13-14	21-22 13-14	21-22 13-14	21-22 13-14	21-22 13-14
	13	21	14	22	13	21
	14	22	14	22	14	22

References of the complete units with 1 1/2" NPT cable entry

 <p>2-pole N/C + N/O break before make, slow break (XE2N P2151)</p>	XCPR 2510N12 ⊖	XCPR 2502N12 ⊖	XCPR 2521N12 ⊖	XCPR 2527N12 ⊖	XCPR 2518N12 ⊖	XCPR 2519N12 ⊖
						
	1,8 3,2(P)	3,1(A) 5,6(P)	6,5(A) 11,3(P)	6,5(B) 11,3(P)	25° 70°(P)	25° 70°(P)
	0 3 5mm	0 5,2 mm	0 10,5 mm	0 10,5 mm	0 42° 90°	0 42° 90°
	21-22 13-14	21-22 13-14	21-22 13-14	21-22 13-14	21-22 13-14	21-22 13-14
	13	21	14	22	13	21
	14	22	14	22	14	22

Weight (kg)	0.115	0.115	0.125	0.120	0.155	0.155
Contact operation	 contact closed  contact open		(A) = cam displacement (P) = positive opening point	⊖ N/C contact with positive opening operation		

Characteristics

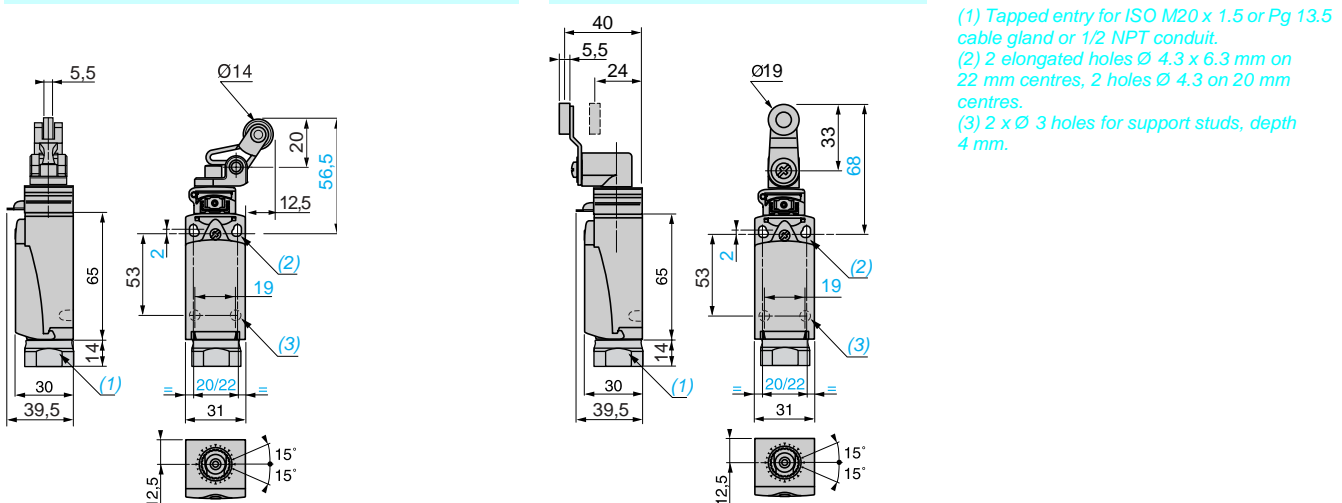
Switch actuation	On end	By 30° cam			
Type of actuation					
Maximum actuation speed	0.5 m/s		1 m/s		1.5 m/s
Minimum force or torque	For tripping For positive opening	15 N 45 N	12 N 36 N	6 N 18 N	0.1 N.m 0.25 N.m

Cable entry
 1 entry tapped M20 x 1.5 mm for ISO cable gland, clamping capacity 7 to 13 mm, or
 1 entry tapped for Pg 13.5 cable gland, clamping capacity 9 to 12 mm, or
 1 entry tapped for 1/2" NPT conduit (USAS B2-1).

Dimensions

XCPR 2●27●●●

XCPR 2●18●●●, XCPR 2●19●●●

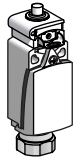


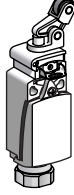




Limit switches

Osiswitch® Application


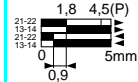
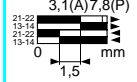
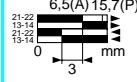
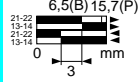
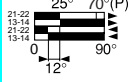
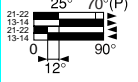
Compact design, metal, with reset, type XCDR

Complete units with 1 cable entry


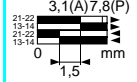
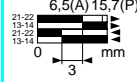
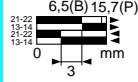
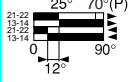
Type of head	Plunger (fixing by the body)				Rotary (fixing by the body)	
						

Type of operator	Metal end plunger	Steel roller plunger	Thermoplastic roller lever plunger, horizontal actuation in 1 direction	Thermoplastic roller lever plunger, vertical actuation in 1 direction	Thermoplastic roller lever	Steel roller lever
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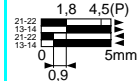
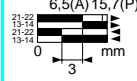
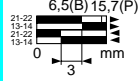
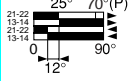
References of the complete units with 1 ISO M20 x 1.5 cable entry

 2-pole N/C + N/O snap action (XE2S P2151)	XCDR 2110P20	XCDR 2102P20	XCDR 2121P20	XCDR 2127P20	XCDR 2118P20	XCDR 2119P20
						

References of the complete units with 1 Pg 13.5 cable entry






 2-pole N/C + N/O snap action (XE2S P2151)	XCDR 2110G13	XCDR 2102G13	XCDR 2121G13	XCDR 2127G13	XCDR 2118G13	XCDR 2119G13
						

References of the complete units with 1 1/2" NPT cable entry

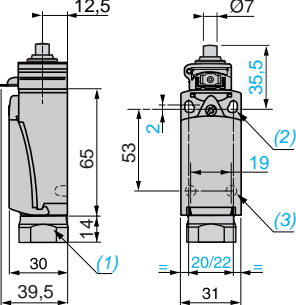
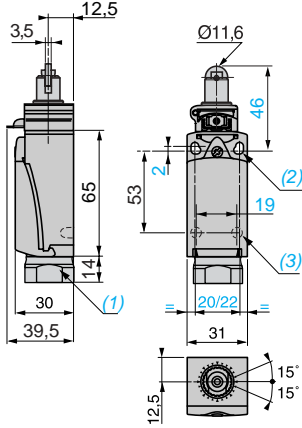
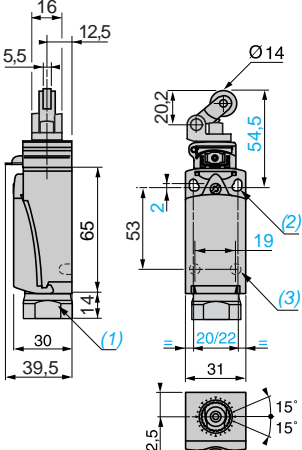
 2-pole N/C + N/O snap action (XE2S P2151)	XCDR 2110N12	XCDR 2102N12	XCDR 2121N12	XCDR 2127N12	XCDR 2118N12	XCDR 2119N12
						

Weight (kg)	0.215	0.220	0.225	0.225	0.255	0.255
Contact operation	 contact closed  contact open		(A) = cam displacement (P) = positive opening point		 N/C contact with positive opening operation	

Characteristics

Switch actuation	On end	By 30° cam			
Type of actuation					
Maximum actuation speed	0.5 m/s		1 m/s		1.5 m/s
Minimum force or torque	For tripping For positive opening	15 N 45 N	12 N 36 N	6 N 18 N	0.1 N.m 0.25 N.m
Cable entry	1 entry tapped M20 x 1.5 mm for ISO cable gland, clamping capacity 7 to 13 mm, or 1 entry tapped for Pg 13.5 cable gland, clamping capacity 9 to 12 mm, or 1 entry tapped for 1/2" NPT conduit (USAS B2-1).				

Dimensions

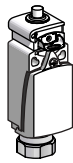



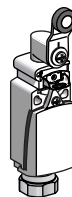
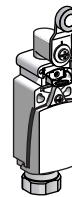
XCDR 2e10e00	XCDR 2e02e00	XCDR 2e21e00
		
(1) Tapped entry for ISO M20 x 1.5 or Pg 13.5 cable gland or 1/2 NPT conduit. (2) 2 elongated holes Ø 4.3 x 6.3 mm on 22 mm centres, 2 holes Ø 4.3 on 20 mm centres. (3) 2 x Ø 3 holes for support studs, depth 4 mm.		

Limit switches


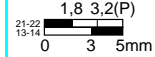
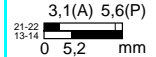
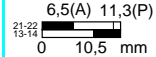
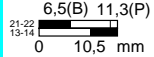
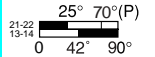
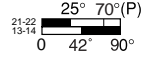
Osiswitch® Application

Compact design, metal, with reset, type XCDR


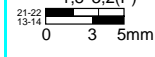
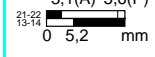
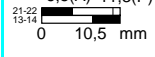
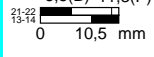
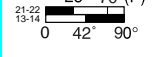
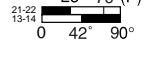
Complete units with 1 cable entry

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


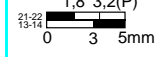
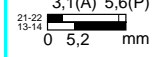
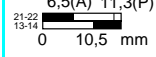
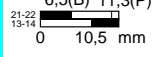
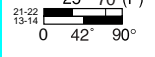
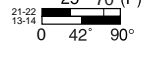
References of the complete units with 1 ISO M20 x 1.5 cable entry

 <p>2-pole N/C + N/O break before make, slow break (XE2N P2151)</p>	XCDR 2510P20 	XCDR 2502P20 	XCDR 2521P20 	XCDR 2527P20 	XCDR 2518P20 	XCDR 2519P20 
	1.8 3,2(P) 0 3 5mm	3,1(A) 5,6(P) 0 5,2 mm	6,5(A) 11,3(P) 0 10,5 mm	6,5(B) 11,3(P) 0 10,5 mm	25° 70°(P) 0 42° 90°	25° 70°(P) 0 42° 90°

References of the complete units with 1 Pg 13.5 cable entry

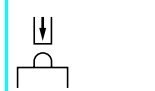
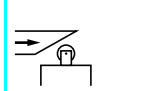
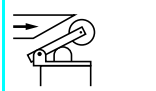

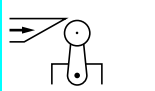
 <p>2-pole N/C + N/O break before make, slow break (XE2N P2151)</p>	XCDR 2510G13 	XCDR 2502G13 	XCDR 2521G13 	XCDR 2527G13 	XCDR 2518G13 	XCDR 2519G13 
	1.8 3,2(P) 0 3 5mm	3,1(A) 5,6(P) 0 5,2 mm	6,5(A) 11,3(P) 0 10,5 mm	6,5(B) 11,3(P) 0 10,5 mm	25° 70°(P) 0 42° 90°	25° 70°(P) 0 42° 90°

References of the complete units with 1 1/2" NPT cable entry

 <p>2-pole N/C + N/O break before make, slow break (XE2N P2151)</p>	XCDR 2510N12 	XCDR 2502N12 	XCDR 2521N12 	XCDR 2527N12 	XCDR 2518N12 	XCDR 2519N12 
	1.8 3,2(P) 0 3 5mm	3,1(A) 5,6(P) 0 5,2 mm	6,5(A) 11,3(P) 0 10,5 mm	6,5(B) 11,3(P) 0 10,5 mm	25° 70°(P) 0 42° 90°	25° 70°(P) 0 42° 90°

Weight (kg)	0.215	0.220	0.225	0.225	0.255	0.255
Contact operation			(A) = cam displacement (P) = positive opening point			

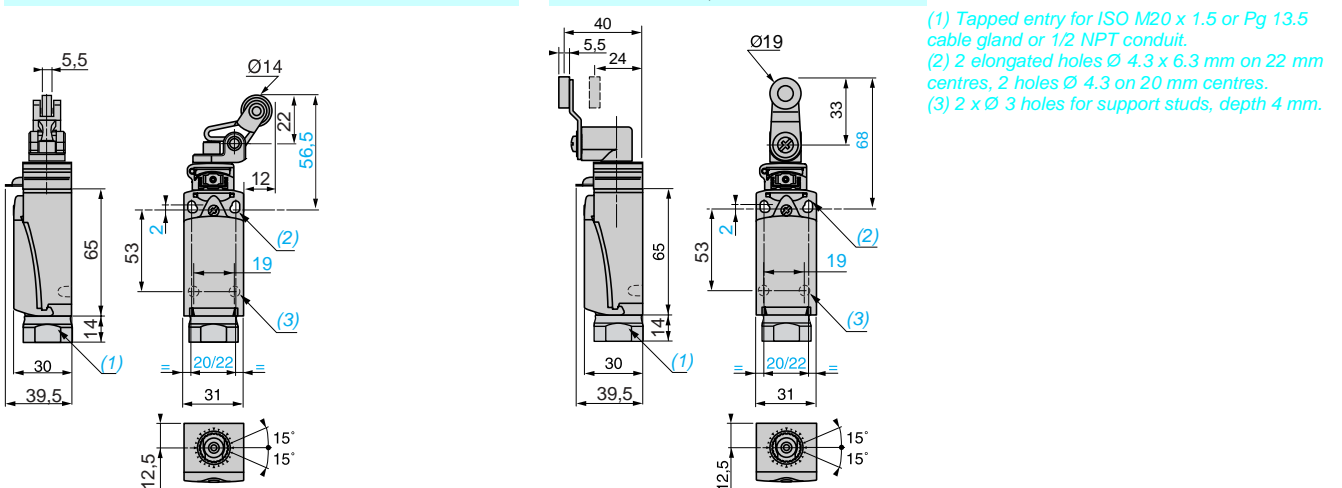
Characteristics

Switch actuation	On end	By 30° cam			
Type of actuation					
Maximum actuation speed	0.5 m/s	1 m/s			1.5 m/s
Minimum force or torque	For tripping	15 N	12 N	6 N	0.1 N.m
	For positive operation	45 N	36 N	18 N	0.25 N.m
Cable entry	1 entry tapped M20 x 1.5 mm for ISO cable gland, clamping capacity 7 to 13 mm, or 1 entry tapped for PG 13.5 cable gland, clamping capacity 9 to 12 mm, or 1 entry tapped for 1/2" NPT conduit (USAS B2-1).				

Dimensions

XCDR 2●27●●●

XCDR 2●18●●●, XCDR 2●19●●●


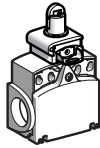
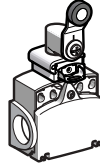
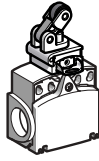

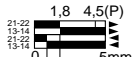


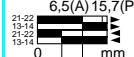

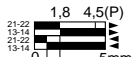
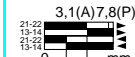

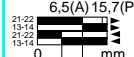

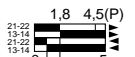
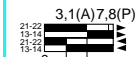
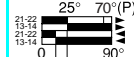
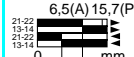
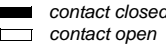

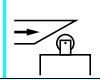
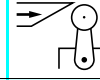



Limit switches

Osiswitch® Application

Compact design, plastic, with reset, type XCTR

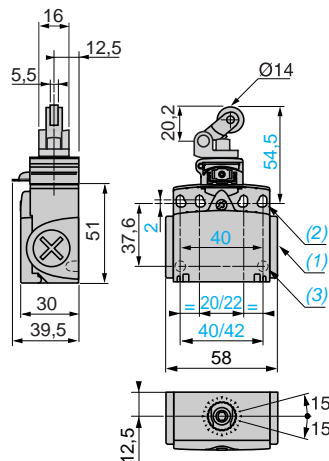
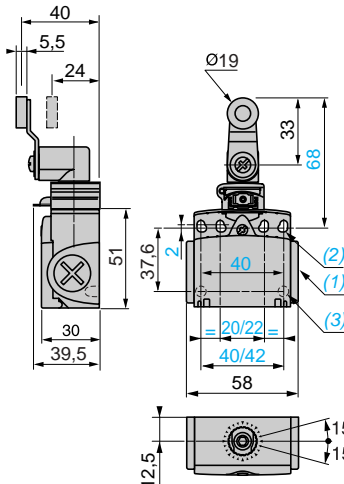
Complete units with 2 cable entries

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 the complete units with 1 ISO M16 x 1.5 cable entry					
 <p>2-pole N/C + N/O snap action (XE2S P3151)</p>	XCTR 2110P16 ⊕ 	XCTR 2102P16 ⊕ 	XCTR 2118P16 ⊕ 	XCTR 2121P16 ⊕ 	
	References of the complete units with 1 Pg 11 cable entry				
	 <p>2-pole N/C + N/O snap action (XE2S P3151)</p>	XCTR 2110G11 ⊕ 	XCTR 2102G11 ⊕ 	XCTR 2118G11 ⊕ 	XCTR 2121G11 ⊕ 
		References of the complete units with 1 1/2" NPT cable entry			
 <p>2-pole N/C + N/O snap action (XE2S P3151)</p>	XCTR 2110N12 ⊕ 	XCTR 2102N12 ⊕ 	XCTR 2118N12 ⊕ 	XCTR 2121N12 ⊕ 	
	Weight (kg)	0.120	0.125	0.165	0.135
Contact operation	 (A) = cam displacement (P) = positive opening point ⊕ = N/C contact with positive opening operation				
Characteristics					
Switch actuation	On end	By 30° cam			
Type of actuation					
Maximum actuation speed	0.5 m/s		1.5 m/s	1m/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	18 N.m
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, or 2 entries tapped for Pg 11 cable gland, clamping capacity 7 to 10 mm, or 2 entries tapped for 1/2" NPT conduit (USAS B2-1) with Pg 11 - 1/2" NPT adaptor DE9 RA1012 .				

Dimensions

XCTR 2●18●●●

XCTR 2●21●●●




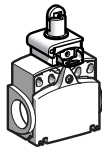

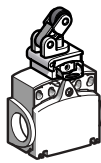
- (1) Tapped entries for ISO M16 x 1.5 or Pg 11 cable gland or 1/2 NPT conduit.
- (2) 4 elongated holes Ø 4.3 x 6.3 mm on 22/42 mm centres, 4 holes Ø 4.3 on 20/40 mm centres.
- (3) 2 x Ø 3 holes for support studs, depth 4 mm.

Limit switches


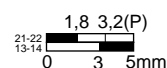
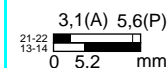
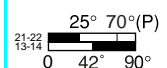
Osiswitch® Application

Compact design, plastic, with reset, type XCTR


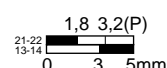
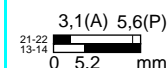
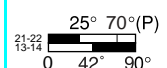
Complete units with 2 cable entries

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


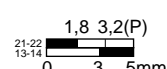
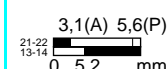
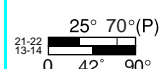
References of the complete units with 1 ISO M16 x 1.5 cable entry

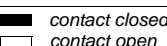
 2-pole N/C + N/O break before make, slow break (XE2N P3151)	XCTR 2510P16	XCTR 2502P16	XCTR 2518P16	XCTR 2521P16
		 1,8 3,2(P) 0 3 5mm	 3,1(A) 5,6(P) 0 5,2 mm	 25° 70°(P) 0 42° 90°

References of the complete units with 1 Pg 11 cable entry

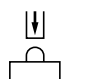
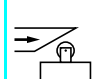
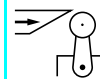
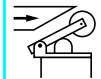
 2-pole N/C + N/O break before make, slow break (XE2N P3151)	XCTR 2510G11	XCTR 2502G11	XCTR 2518G11	XCTR 2521G11
		 1,8 3,2(P) 0 3 5mm	 3,1(A) 5,6(P) 0 5,2 mm	 25° 70°(P) 0 42° 90°

References of the complete units with 1 1/2" NPT cable entry

 2-pole N/C + N/O break before make, slow break (XE2N P3151)	XCTR 2510N12	XCTR 2502N12	XCTR 2518N12	XCTR 2521N12
		 1,8 3,2(P) 0 3 5mm	 3,1(A) 5,6(P) 0 5,2 mm	 25° 70°(P) 0 42° 90°

Weight (kg)	0.120	0.125	0.165	0.135
Contact operation	 contact closed contact open			
	(A) = cam displacement (P) = positive opening point ⊕ N/C contact with positive opening operation			

Characteristics

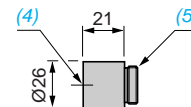
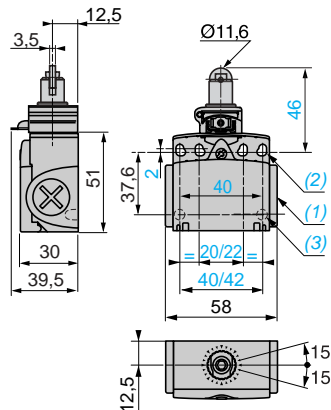
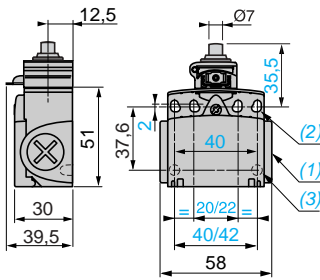
Switch actuation	On end		By 30° cam	
Type of actuation				
Maximum actuation speed	0.5 m/s		1.5 m/s	1m/s
Minimum force or torque	For tripping	15 N	12 N	0.1 N
	For positive opening	45 N	36 N	0.25 N
Cable entry	2 entries tapped M16 x 1.5 mm for ISO cable gland, clamping capacity 4 to 8 mm, or 2 entries tapped for Pg 11 cable gland, clamping capacity 7 to 10 mm, or 2 entries tapped for 1/2" NPT conduit (USAS B2-1) with Pg 11 - 1/2" NPT adaptor DE9 RA1012.			

Dimensions

XCTR 2●10●●●

XCTR 2●02●●●

DE9 RA1012



- (1) Tapped entries for ISO M16 x 1.5 or Pg 11 cable gland or 1/2 NPT conduit.
- (2) 4 elongated holes \varnothing 4.3 x 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.