

Safety detection solutions

Safety limit switches
XCSD compact design, metal
Complete switches, 1 cable entry

Type of head	Plunger		Rotary	
				

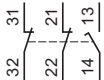
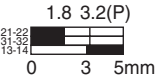
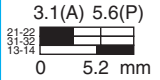
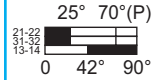
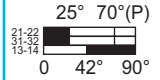
Type of operator	Metal end plunger	Steel roller plunger	Thermoplastic roller lever	Steel roller lever
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References of complete switches with 3-pole 2 NC + 1 NO break before make, slow break contact

(⊖ NC contact with positive opening operation)



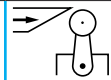
With ISO M20 x 1.5 cable entry	XCS3710P20	XCS3702P20	XCS3718P20	XCS3719P20
	⊖	⊖	⊖	⊖
With Pg 13.5 cable entry	XCS3710G13	XCS3702G13	XCS3718G13	XCS3719G13
	⊖	⊖	⊖	⊖
With 1/2" NPT cable entry	XCS3710N12	XCS3702N12	XCS3718N12	XCS3719N12
	⊖	⊖	⊖	⊖
Weight (kg)	0.215	0.220	0.255	0.255

Contact function diagrams

3-pole 2 NC + 1 NO break before make, slow break	1.8 3.2(P)	3.1(A) 5.6(P)	25° 70°(P)	25° 70°(P)
				

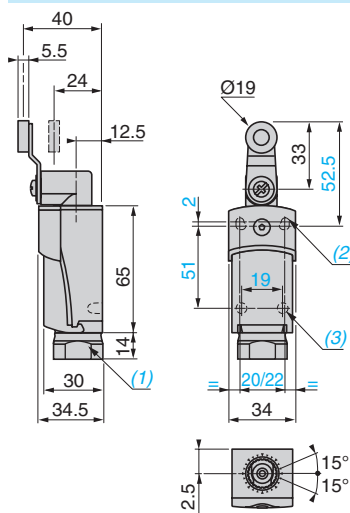
Contact operation	 closed  open  NC contact with positive opening operation	(A) = cam displacement (P) = positive operating point
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Characteristics

Switch actuation	On end	By 30° cam	
Type of actuation			
Maximum actuation speed	0.5 m/s		1.5 m/s
Mechanical durability (in millions of operating cycles)	15	10	
Minimum force or torque	For tripping 45 N	12 N 36 N	0.1 N.m/0.88 lb-in 0.25 N.m/2.21 lb-in
Cable entry	1 entry tapped M20 x 1.5 mm for ISO cable gland, clamping capacity 7 to 13 mm 1 entry tapped for Pg13.5 cable gland, clamping capacity 9 to 12 mm 1 entry tapped for 1/2" NPT conduit		

Dimensions

XCS3●18●●●, XCS3●19●●●



- (1) Tapped entry for ISO M20 x 1.5 or Pg 13.5 cable gland or tapped 1/2" NPT.
- (2) 2 elongated holes Ø 4.3 x 6.3 mm on 22 mm centers, 2 holes Ø 4.3 on 20 mm centers.
- (3) 2 x Ø 3 holes for support studs, depth 4 mm.