

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 snap action contact

(⊖) NC contact with positive opening operation

With ISO M20 x 1.5 cable entry

XCSD3910P20	XCSD3902P20	XCSD3918P20	XCSD3919P20
⊖	⊖	⊖	⊖

With Pg 13.5 cable entry

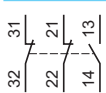
XCSD3910G13	XCSD3902G13	XCSD3918G13	XCSD3919G13
⊖	⊖	⊖	⊖

With 1/2" NPT cable entry

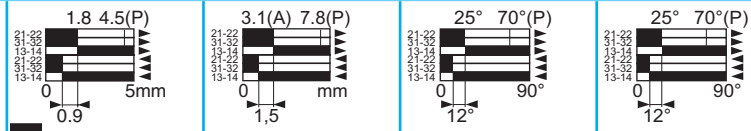
XCSD3910N12	XCSD3902N12	XCSD3918N12	XCSD3919N12
⊖	⊖	⊖	⊖




Weight (kg)	0.215	0.220	0.255	0.255
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Contact function diagrams






3-pole 2 NC + 1 NO
snap action



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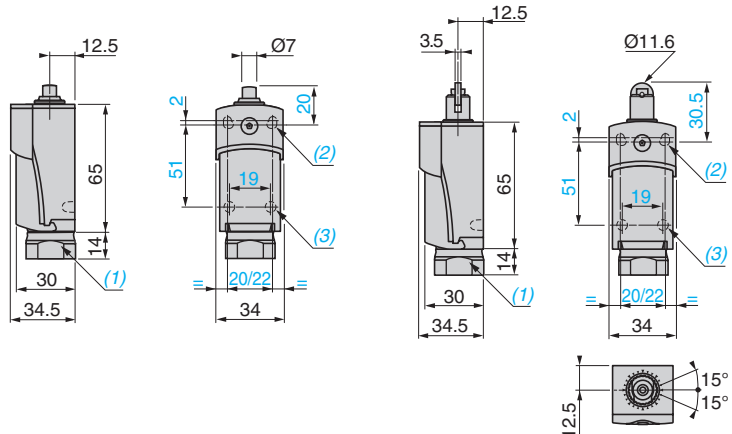
Characteristics

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	15 N	12 N
	For positive opening	45 N	36 N
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

XCSD3●10●●●

XCSD3●02●●●



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