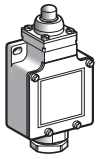
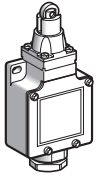
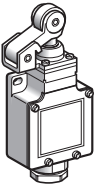
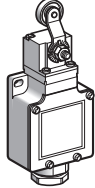
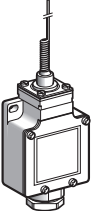












Limit switches

XC Standard range, Classic format
Metal, XCKL
Complete units incorporating Pg 13.5 cable gland

Type of head	Plunger (fixing by the body)			Rotary (fixing by the body)	Multi-directional, (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 (1)	"Cat's whisker" (2)

References (3)						
2-pole NC + NO snap action (XE2SP2151)	 13, 14, 21, 22	XCKL110 ⊕ 1.8 4.5(P) 0.9 5.5mm	XCKL102 ⊕ 3.1(A) 7.8(P) 1.5 mm	XCKL121 ⊕ 4.6(A) 11.1(P) 2.2 mm	XCKL115 ⊕ 26° 58°(P) 11° 70°	XCKL106 30° 14°
2-pole NC + NO break before make, slow break (XE2NP2151)	 13, 14, 21, 22	XCKL510 ⊕ 1.8 3.2(P) 0 5.5mm	XCKL502 ⊕ 3.1(A) 5.6(P) 0 5.2 mm	XCKL521 ⊕ 4.6(A) 8(P) 0 7.6 mm	XCKL515 ⊕ 26° 42°(P) 0 36° 70°	XCKL506 30° 0 40°
3-pole NC + NC + NO snap action (XE3SP2141)	 31, 32, 21, 22, 13, 14	ZCKLD39 + ZCKD10 ⊕ 1.8 4.5(P) mm 0.9 5.5	ZCKLD39 + ZCKD02 ⊕ 3.1(A) 7.8(P) mm 1.5	ZCKLD39 + ZCKD21 ⊕ 4.6(A) 11.1(P) mm 2.2	ZCKLD39 + ZCKD15 ⊕ 26° 58°(P) 11° 70°	ZCKLD39 + ZCKD06 30° 14°
2-pole NC + NC simultaneous, slow break (XE2NP2141)	 11, 12, 21, 22	ZCKL7 + ZCKD10 ⊕ 3.2(P) 1.8 5.5mm	ZCKL7 + ZCKD02 ⊕ 5.6(P) 3.1(A) 9mm	ZCKL7 + ZCKD21 ⊕ 8(P) 4.6(A) mm	ZCKL7 + ZCKD15 ⊕ 42°(P) 23° 70°	ZCKL7 + ZCKD06 30°
3-pole NC + NC + NO break before make, slow break (XE3NP2141)	 31, 32, 21, 22, 13, 14	ZCKLD37 + ZCKD10 ⊕ 1.8 3.2(P) mm 0 3 5.5	ZCKLD37 + ZCKD02 ⊕ 3.1(A) 3.2(P) mm 0 5.2 5.5	ZCKLD37 + ZCKD21 ⊕ 4.6(A) 8(P) mm 0 7.6	ZCKLD37 + ZCKD15 ⊕ 26° 42°(P) 0 36° 70°	ZCKLD37 + ZCKD06 30° 0 40°
Weight (kg)		0.255	0.260	0.305	0.285	0.255
Contact operation		■ closed □ open	(A) = cam displacement (P) = positive opening point		⊕ NC contact with positive opening operation	

Characteristics					
Switch actuation	On end	By 30° cam			By any moving part
Type of actuation					
Maximum actuation speed	0.5 m/s	1.5 m/s			1 m/s (any direction)
Mechanical durability (4) (in millions of operating cycles)	20	15			10
Minimum force or torque	For tripping For positive opening	15 N 45 N	12 N 36 N	8 N 24 N	0.1 N.m 0.25 N.m
Cable entry	1 entry incorporating metal cable gland. Clamping capacity 6 to 13.5 mm.				

(1) Adjustable throughout 360° in 5° steps, or in 90° steps by reversing the notched washer.
 (2) Value taken with actuation by moving part at 100 mm from the fixing.
 (3) Switches with gold contacts or eyelet type connections: please consult our Customer Care Centre.
 (4) Limited to 15 million operating cycles for switches with contacts XE3●P.