

Limit switches

XC Standard range
Compact design, metal, XCKD
M12 connector

Type of head	Plunger (fixing by the body)					
	Form B (1)		Form C (1)	Form E (1)		
Type of operator	Metal end plunger	Metal end plunger with elastomer boot (2)	Steel roller plunger	Thermoplastic roller lever plunger, horizontal actuation in 1 direction	Thermoplastic roller lever plunger, vertical actuation in 1 direction	Thermoplastic roller lever plunger, horiz. or vert. actuation in 1 direction

References							
2-pole NC + NO snap action (XE2S P2151)	 13, 14, 21, 22	XCKD2110M12 	XCKD2111M12 	XCKD2102M12 	XCKD2121M12 	XCKD2127M12 	XCKD2128M12
2-pole NC + NC snap action (XE2S P2141)	 11, 12, 21, 22	ZCD29M12 + ZCE10 	ZCD29M12 + ZCE11 	ZCD29M12 + ZCE02 	ZCD29M12 + ZCE21 	ZCD29M12 + ZCE27 	ZCD29M12 + ZCE28
Weight (kg)		0.190	0.190	0.195	0.205	0.200	0.205
Contact operation		closed open			(A) (B) = cam displacement (P) = positive opening point	NC contact with positive opening operation	
		(1) Form conforming to EN 50047, see page 24. (2) Nitrile for indoor use.					

Characteristics		On end	By 30° cam			
Switch actuation						
Type of actuation						
Maximum actuation speed		0.5 m/s			1 m/s	
Mechanical durability (in millions of operating cycles)		15	10		15	
Minimum force or torque	For tripping	15 N	12 N		6 N	
	For positive opening	45 N	36 N		18 N	
Connection	M12 connector, U _i = 60 V, I _e = 4 A maximum, l _{th} = 4 A					

Connections	
M12 connector	
	XE2S P2151 XE2S P2141 1-2: NC 1-2: NC 3-4: NO 3-4: NO 5: \perp 5: \perp

Dimensions		ZCD2●M12	ZCE10	ZCE11	ZCE02	ZCE21
(1) 2 elongated holes \varnothing 4.3 x 6.3 mm on 22 mm centres, 2 holes \varnothing 4.3 on 20 mm centres. (2) 2 x \varnothing 3 holes for support studs, depth 4 mm. (3) Fixing nut thickness 3.5 mm.						