

Limit switches

XC Standard range
Compact design, metal, XCKD
M12 connector

Type of head	Plunger (fixing by the head)		Rotary (fixing by the body)				Multi-directional
			Form A (1)				
Type of operator	M18 with metal end plunger	M18 with steel roller plunger	Thermoplastic roller lever	Variable length thermoplastic roller lever	Thermoplastic roller lever, Ø 50 mm	Variable length thermoplastic roller lever, Ø 50 mm	"Cat's whisker" (2)

References	XCKD21H0M12	XCKD21H2M12	XCKD2118M12	XCKD2145M12	XCKD2139M12	XCKD2149M12	XCKD2106M12
2-pole NC + NO snap action (XE2S P2151)							
2-pole NC + NC snap action (XE2S P2141)							
Weight (kg)	0.235	0.235	0.220	0.220	0.220	0.220	0.185
Contact operation			(A) = cam displacement (P) = positive opening point				

(1) Form conforming to EN 50047, see page 24.
(2) Value taken with actuation by moving part at 100 mm from the fixing.

Characteristics	On end	By 30° cam	By any moving part	
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 direct.)	
Mechanical durability (in millions of operating cycles)	10		5	
Minimum force or torque	For tripping: 15 N For positive opening: 45 N	10 N 36 N	0.1 N.m 0.25 N.m	0.13 N.m
Connection	M12 connector, U _i = 60 V, I _e = 4 A maximum, I _{th} = 4 A			

Dimensions

ZCE01 + ZCY18	ZCE01 + ZCY45	ZCE01 + ZCY39	ZCE01 + ZCY49	ZCE06
ZCEH2				
<p>(3) Fixing nut thickness 3.5 mm.</p>				