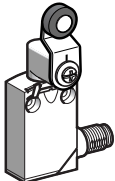
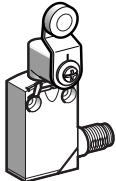
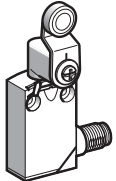
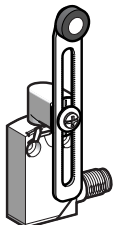
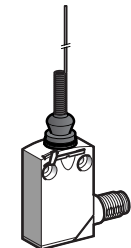

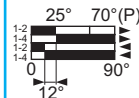
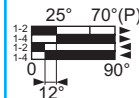
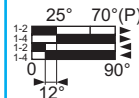
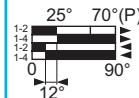
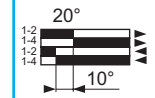

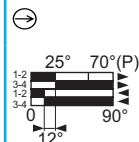
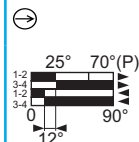
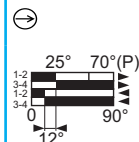
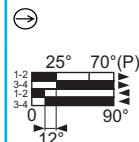
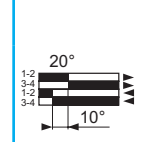
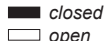
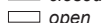
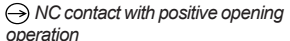


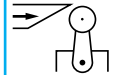


Limit switches

XC Standard range
Miniature design miniature, metal, XCMD
Complete units
Connector

Type of head	Rotary (fixing by the body)				Multi-directional
					

Type of operator	Thermoplastic roller lever	Steel roller lever	Roller lever with ball bearing mounted roller	Variable length thermoplastic roller lever	"Cat's whisker" (1)
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References	XCMD2115M12	XCMD2116M12	XCMD2117M12	XCMD2145M12	XCMD2106M12
 <p>Single-pole CO snap action With integral M12 4-pin connector</p>					
 <p>2-pole NC + NO snap action With integral M12 5-pin connector</p>					
Weight (kg)	0.125	0.130	0.125	0.135	0.085
Contact operation	 closed  open		(A) = cam displacement (P) = positive opening point	 NC contact with positive opening operation	

Complementary characteristics not shown under general characteristics (see page 27)		
Switch actuation	By 30° cam	By any moving part
Type of actuation		
Maximum actuation speed	1.5 m/s	1 m/s
Mechanical durability	10 million operating cycles	5
Minimum force or torque	For tripping	0.1 N.m
	For positive opening	0.5 N.m
Positive operation	Although their design is identical to the pre-cabled switches, the switches incorporating an M12 4-pin connector cannot be marked with the  symbol because they are single-pole CO.	

(1) Value taken with actuation by moving part at 100 mm from the fixing.