

New!

XCKS Standard Body, Plastic, Double Insulated

Table 21.29: Environmental Specifications

Conforming to standards	Products	IEC 60947-5-1, EN 60947-5-1, UL 508, CSA C22-2 n° 14
	Machine assemblies	IEC 60204-1, EN 60204-1
Approvals		UL, CSA, CCC
Ambient air temperature	For operation	-25 to +70 °C (-13 to +158 °F)
	For storage	-40 to +70 °C (-40 to +158 °F)
Vibration resistance	Conforming to IEC 60068-2-6	25 gn (10–500 Hz)
Shock resistance	Conforming to IEC 60068-2-27	50 gn (11 ms)
Electric shock protection		Class II conforming to IEC 61140 and NF C 20-030
Degree of protection		IP65 conforming to IEC 60529 ; IK03 conforming to EN 50102
Repeat accuracy		0.05 mm on the tripping points, with 1 million operating cycles for head with end plunger
Cable entry	Depending on model	Tapped entry for PG 13 conduit thread. To convert to 1/2" NPT, use adapter DE9RA1212 . For ISO M20 x 1.5, add H29 to the end of the catalog number. Example: XCKS101 becomes XCKS101H29 .
Materials		Plastic (body and head)

Table 21.30: Selection, Plunger and Rotary Heads




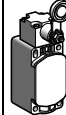
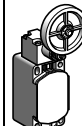










	Form B [1]	Form C [1]	Form A [1]				Form D [1]
 <p>2-pole N.C. + N.O. snap action</p>							
 <p>2-pole N.C. + N.O. break before make, slow break</p>	Metal end plunger	Steel roller plunger	Thermoplastic roller lever [2]	Elastomer roller lever, Ø 50 mm (1.97 in.) [2]	Variable length thermoplastic roller lever [2]	Variable length elastomer roller lever, Ø 50 mm (1.97 in.) [2]	Round thermoplastic rod lever, Ø 6 mm (0.24 in.) [3] [4]
 <p>2-pole N.C. + N.C.</p>							
Ordering Information[5]	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.
2-pole N.C. + N.O. snap action (XE2SP2151)	XCKS101	XCKS102	XCKS131	XCKS139	XCKS141	XCKS149	XCKS159
2-pole N.C. + N.O. break before make, slow break (XE2NP2151)	XCKS501	XCKS502	XCKS531	XCKS539	XCKS541	XCKS549	XCKS559
2-pole N.C. + N.C. snap action (XE2SP2141)	ZCKS9 + ZCKD01	ZCKS9 + ZCKD02	ZCKS9 + ZCKD31	ZCKS9 + ZCKD39	ZCKS9 + ZCKD41	ZCKS9 + ZCKD49	ZCKS9 + ZCKD59
2-pole N.C. + N.C. simultaneous, slow break (XE2NP2141)	ZCKS7 + ZCKD01	ZCKS7 + ZCKD02	ZCKS7 + ZCKD31	ZCKS7 + ZCKD39	ZCKS7 + ZCKD41	ZCKS7 + ZCKD49	ZCKS7 + ZCKD59
Weight, kg (lb)	0.095 (0.209)	0.105 (0.231)	0.145 (0.320)	0.150 (0.331)	0.155 (0.342)	0.155 (0.342)	0.150 (0.331)
Contact operation	⊖ N.C. contact with positive opening operation, when properly mounted and using a conforming operator.			—			

Table 21.31: Specifications

Switch actuation	On end	By 30° cam			By any moving part
Type of actuation					
Maximum actuation speed	0.5 m/s (1.64 ft/s)	1.5 m/s (4.92 ft/s)			1 m/s (3.28 ft/s)
Minimum force or torque	For tripping	15 N (3.37 lb)	12 N (2.70 lb)	0.15 N•m (1.33 lb-in)	
	For positive opening	45 N (10.12 lb)	36 N (8.09 lb)	0.3 N•m (2.66 lb-in)	—
Cable entry	1 entry tapped M20 x 1.5 mm for ISO cable entry, clamping capacity 7 to 13 mm (0.28 to 0.51 in.) To convert PG 13 to 1/2" NPT, use adapter DE9RA1212 . For ISO M20 x 1.5, add H29 to the end of the catalog number. Example: XCKS101 becomes XCKS101H29 .				

[1] Form conforming to EN 50041. See page 6/92 of catalog 9006CT1007.
 [2] Adjustable throughout 360° in 5° steps, or in 90° steps by reversing the notched washer.
 [3] Adjustable throughout 360° in 5° steps, or in 45° steps by reversing the lever mounting.
 [4] Value taken with actuation by moving part at 100 mm (3.94 in.) from the mounting.
 [5] Switches with gold contacts or eyelet type connections: please consult your local sales office.