

XCKJ Switches

XCKJ fixed body type precision switches with an SPDT configuration have direct opening contacts to meet most international standards.

Table 21.53: Specifications

Rated Power (conforms to IEC 947-5-1, duty categories AC15 and DC13)	
Temperature range	-13 to +158 °F (-25 to +70 °C); optional -40 to +248 °F (-40 to +120 °C). The minimum temperatures listed are based on the absence of freezing moisture or water.
Enclosure rating	NEMA 1, 2, 3, 4, 12; IEC Type IP66
Vibration resistance	25 G (10–500 Hz), conforming to IEC 68-2-6
Shock resistance	50 G, conforming to IEC 68-2-27
Repeatability (max.)	0.0004 in. (0.01 mm)
Cable entry	1/2" NPT standard
Contact Characteristics	
Rated thermal current	10 A, conforming to UL 508, CSA C22-2 No.14, IEC 337-1, NFC 63-140, VDE 0660-200
Rated insulation voltage	Non-plug-in: 300 Vac (A300) and DC (Q300) Plug-in: 600 Vac (A600) and DC (Q600)
Contact resistance (max)	Non-plug-in: 25 m W Plug-in: 45 m W
Cable (max.)	2 x 16 AWG (1.5 mm ²) per terminal—1 x #16 AWG for 2 SPDT (2 N.O., 2 N.C.)
Short circuit protection	10 A fuse type SC; Form I Class J or equivalent. Outside US use type gl or N.

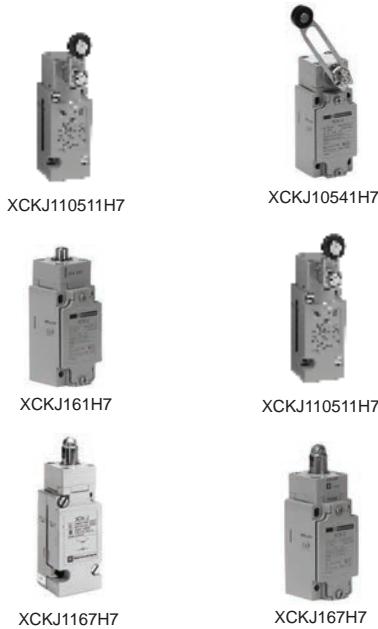


Table 21.54: Complete Switches, XCKJ

Description and Functional Diagram	Operating Torque	Contact Type	Direct Opening	Catalog Number
Non-plug-in Housings				
Delrin roller lever adjustable in 5° or 45° increments (reversible mountings)				
	33.3 oz-in	SPDT (N.O. + N.C.)	Y [1]	XCKJ10511H7
	33.3 oz-in	2 SPDT (2 N.O. + 2 N.C.)	N	XCKJ20511H7
Adjustable length—Delrin roller lever adjustable in 5° or 90° increments				
	33.3 oz-in	SPDT (N.O. + N.C.)	N	XCKJ10541H7
	33.3 oz-in	2 SPDT (2 N.O. + 2 N.C.)	N	XCKJ20541H7
Adjustable length—1/8 in. diameter steel rod adjustable in 5° or 45° increments				
	33.3 oz-in	SPDT (N.O. + N.C.)	N	XCKJ10553H7
	Adjustable length—1/4 in. plastic rod adjustable in 5° or 45° increments			
	33.3 oz-in	SPDT (N.O. + N.C.)	N	XCKJ10559H7
	Neutral Position One SPDT contact switch per direction. Past 20° CW, contact 1 (11-12 / 13-14) switches. Past 20° CCW, contact 2 (21-22 / 23-24) switches. Levers not included.			
	26.6 oz-in	2 SPDT (2 N.O. + 2 N.C.)	N	ZCKJ404H7
	48 oz	SPDT (N.O. + N.C.)	Y [1]	XCKJ161H7
	48 oz	SPDT (N.O. + N.C.)	Y [1]	XCKJ167H7
Plug-in Housings				
Lever Operated				
	33.3 oz-in	SPDT (N.O. + N.C.)	N	XCKJ110511H7
	33.3 oz-in	SPDT (N.O. + N.C.)	N	XCKJ110541H7
	26.6 oz-in	2 SPDT (2 N.O. + 2 N.C.)	N	ZCKJ4104H7
	48 oz	SPDT (N.O. + N.C.)	N	XCKJ1161H7
	48 oz	SPDT (N.O. + N.C.)	N	XCKJ1167H7

Exploded view [page 21-30](#)

[1] Direct opening contacts meet IEC 947-5-1 requirements for positive opening contacts.