

XCKL Limit Switch

XCKL is a compact, general-duty limit switch for applications such as machine tools and material handling.



XCKL110H7

Table 21.43: Specifications

Rated Power (conforms to IEC 947-5-1, duty categories AC15 and DC13)	
Temperature range	-13 to +158 °F (-25 to +70 °C) The minimum temperatures listed are based on the absence of freezing moisture or water.
Enclosure rating	NEMA Type 1, 2, 3, 4, 12 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	0.002 in. (0.05 mm)
Cable entry	Standard: Pg 11 with DE9RA1012 adapter for 1/2" NPT conduit entry
Contact Characteristics	
Rated thermal current	10 A
Rated insulation voltage	300 Vac and dc (A300 and Q300)
Contact resistance (max.)	25 mW
Cable (max.)	2 x #16 AWG (1.5 mm ²) per terminal
Short circuit protection (customer supplied)	10 A fuse type SC. Outside U.S. use gl or N.

Complete Switches

Table 21.44: Lever Operated Switches



XCKL10011H7



XCKL115H7

Description [1]	Functional Diagram	Operating Torque/Force	Contact Configuration	Catalog Number
Programmable head CW and/or CCW—snap action Delrin® roller lever—adjustable in 5° or 45° increments (reversible mounting) →		14.2 oz-in	SPDT (N.O. + N.C.) snap	XCKL10011H7
		14.2 oz-in	SPDT (N.O. + N.C.) slow	XCKL50011H7
Adjustable length roller lever—adjustable in 5° or 45° increments (reversible mounting) →		14.2 oz-in	SPDT (N.O. + N.C.) snap	XCKL10041H7
		14.2 oz-in	SPDT (N.O. + N.C.) slow	XCKL50041H7
CW and CCW, Delrin roller lever →		21.3 oz-in	SPDT (N.O. + N.C.) snap	XCKL115H7
		21.3 oz-in	SPDT (N.O. + N.C.) slow	XCKL515H7
One way lever-Delrin roller →		25.3 oz-in	SPDT (N.O. + N.C.) snap	XCKL121H7
		25.3 oz-in	SPDT (N.O. + N.C.) slow	XCKL521H7

Table 21.45: Omnidirectional



XCKL110H7



XCKL102H7

Description [1]	Functional Diagram	Operating Torque/Force	Contact Configuration	Catalog Number
Wobble stick-steel rod		1.84 oz-in	SPDT (N.O. + N.C.) snap	XCKL106H7
		1.84 oz-in	SPDT (N.O. + N.C.) slow	XCKL506H7

Table 21.46: Plunger Operated

Description [1]	Functional Diagram	Operating Torque/Force	Contact Configuration	Catalog Number
Rod plunger →		35.6 oz	SPDT (N.O. + N.C.) snap	XCKL110H7
		35.6 oz	SPDT (N.O. + N.C.) slow	XCKL510H7
Roller plunger →		35.6 oz	SPDT (N.O. + N.C.) snap	XCKL102H7
		35.6 oz	SPDT (N.O. + N.C.) slow	XCKL502H7

Exploded view [page 21-26](#)

Lever arms [page 21-29](#)



File E39281
CCN NKCR



File Class LR44087
3211-03



Acceptable Wire Sizes: 14–24 AWG
Recommended Terminal Clamp Torque: 13 lb-in

[1] Diagrams shown are for XCKL1 . . .