














Actuator Specifications - Standard Ratio

Actuator Code	Switch Type	Maximum Operating Force grams	Maximum Pre-Travel mm (in)	Operating Point mm (in)	Minimum Over-Travel mm (in)	Max. Movement Differential mm (in)	Max. Rest Position mm (in)	Min. End Position mm (in)	Actuation Length (± 0.8 mm) mm (in)	Actuator Only Part Number	
AA	DC1/3/4	200	1.0 (0.039)	8.4 ± 0.3 (0.331 ± 0.012)	0.6 (0.024)	0.1 (0.004)	9.3 (0.366)	7.7 (0.303)	--	--	
	DC2	340	1.0 (0.039)	8.4 ± 0.3 (0.331 ± 0.012)	0.6 (0.024)	0.1 (0.004)	9.3 (0.366)	7.7 (0.303)			
LB	DC1/3/4	80	4.0 (0.157)	10.7 ± 1.3 (0.421 ± 0.051)	1.5 (0.059)	0.5 (0.020)	14.0 (0.551)	7.9 (0.311)	4.8 (0.189)	614-1232	
	DC2	150	5.0 (0.197)	10.7 ± 1.6 (0.421 ± 0.063)	1.5 (0.059)	0.7 (0.028)	14.0 (0.551)	7.9 (0.311)			
LC	DC1/3/4	70	4.5 (0.177)	11.1 ± 1.5 (0.437 ± 0.059)	1.5 (0.059)	0.6 (0.024)	15.0 (0.591)	7.8 (3.07)	7.0 (0.276)	614-1233	
	DC2	120	5.0 (0.197)	11.1 ± 1.8 (0.437 ± 0.071)	1.5 (0.059)	1.0 (0.039)	15.0 (0.591)	7.8 (3.07)			
LD				Forces and travel available upon request					42.0 (1.654)	614-1234	
SB	DC1/3/4	90	4.0 (0.157)	16.0 ± 1.3 (0.630 ± 0.051)	1.5 (0.059)	0.5 (0.020)	19.0 (0.748)	13.2 (0.520)	2.5 (0.098)	614-1237	
	DC2	160	5.0 (0.197)	16.0 ± 1.6 (0.630 ± 0.063)	1.5 (0.059)	0.7 (0.028)	19.0 (0.748)	13.2 (0.520)			
SC	DC1/3/4	80	4.5 (0.177)	16.4 ± 1.5 (0.646 ± 0.059)	1.5 (0.059)	0.6 (0.024)	20.0 (0.787)	13.2 (0.520)	4.7 (0.185)	614-1238	
	DC2	130	5.5 (0.217)	16.4 ± 1.8 (0.646 ± 0.071)	1.5 (0.059)	1.0 (0.039)	20.0 (0.787)	13.2 (0.520)			
RB	DC1/3/4	90	4.5 (0.177)	15.8 ± 1.3 (0.622 ± 0.051)	1.5 (0.059)	0.5 (0.020)	19.0 (0.748)	13.0 (0.512)	2.5 (0.098)	714-00260	
	DC2	160	5.0 (0.197)	15.8 ± 1.6 (0.622 ± 0.063)	1.5 (0.059)	0.7 (0.028)	19.0 (0.748)	13.0 (0.512)			
RC	DC1/3/4	80	5.0 (0.197)	16.2 ± 1.5 (0.638 ± 0.059)	1.5 (0.059)	0.6 (0.024)	20.0 (0.787)	13.0 (0.512)	4.7 (0.185)	714-00261	
	DC2	130	5.5 (0.217)	16.2 ± 1.8 (0.638 ± 0.071)	1.5 (0.059)	1.0 (0.039)	20.0 (0.787)	13.0 (0.512)			
RD				Forces and travel available upon request					39.7 (1.563)	714-00262	
WB*	DC1/3/4	68	4.6 (0.181)	11.1 ± 1.2 (0.437 ± 0.047)	1.2 (0.047)	0.6 (0.024)	14.5 (0.571)	8.7 (0.343)	7.0 (0.276)	614-1247	
	DC2	115	4.6 (0.181)	11.1 ± 1.2 (0.437 ± 0.047)	1.2 (0.047)	0.6 (0.024)	14.5 (0.571)	8.7 (0.343)			
WC*	DC1/3/4	50	6.2 (0.244)	12.2 ± 1.7 (0.480 ± 0.067)	1.7 (0.067)	0.8 (0.031)	16.5 (0.650)	8.6 (0.339)	14.0 (0.551)	614-1253	
	DC2	85	6.2 (0.244)	12.2 ± 1.7 (0.480 ± 0.067)	1.7 (0.067)	0.8 (0.031)	16.5 (0.650)	8.6 (0.339)			
VB*	DC1/3/4	73	4.3 (0.169)	11.9 ± 1.2 (0.469 ± 0.047)	1.4 (0.055)	0.6 (0.024)	15.0 (0.591)	9.3 (0.366)	5.6 (0.220)	714-0299	
	DC2	125	4.3 (0.169)	11.9 ± 1.2 (0.469 ± 0.047)	1.4 (0.055)	0.6 (0.024)	15.0 (0.591)	9.3 (0.366)			
ZB*	DC1/3/4	73	4.2 (0.165)	16.0 ± 1.2 (0.630 ± 0.047)	1.1 (0.043)	0.6 (0.024)	19.0 (0.748)	13.7 (0.539)	5.2 (0.205)	614-1249	
	DC2	125	4.2 (0.165)	16.0 ± 1.2 (0.630 ± 0.047)	1.1 (0.043)	0.6 (0.024)	19.0 (0.748)	13.7 (0.539)			

* For 85 °C only; plastic

ZF Electronics Systems Pleasant Prairie, LLC ("ZF") acquired the rights to the CHERRY branded switches and sensors in 2008. Although ZF divested its interest in the CHERRY name in 2015, the switches and sensors remain unchanged and are now sold under the ZF brand.

