

# EATON

Electrical/Electronic Control

## CUTLER-HAMMER TOGGLE SWITCHES

### Environmentally Sealed Toggle Switches

#### SPECIFICATIONS

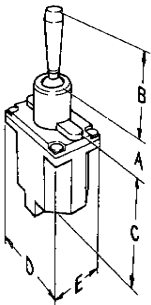
- Completely sealed against dust, moisture, and other contaminants
- Frame to body seal
- Meets Commercial hose down tests
- Positive detent action
- Reliable momentary action
- Molded-in terminal inserts
- Molded-in terminal identification
- #6-32 UNC-2A terminal screws
- Keyway 0.076" ±0.008" width

#### SELECTION TABLE

Circuit with Lever in . . . ①			Bushing Length "A" Inches	Catalog Number — Flush Terminal Screws		
UP Position	CENTER Position	DOWN Position (Keyway)		One Pole	Two Pole	Four Pole
ON ON ON ON ON	OFF NONE NONE OFF OFF*	ON OFF ON NONE NONE	0.469	8510K1 K9 K4 K6 K8	8511K1 K9 K4 K6 K8	8512K1 K9 K4 K6 K8
ON *ON NONE ON OFF	NONE OFF OFF NONE NONE	ON* ON* ON* OFF* ON*		8510K5 K2 K7 K10 K11	8511K5 K2 K7 K10 K11	8512K5 K2 K7 K10 K11
ON *ON ON	OFF ON ON	ON* NONE NONE		8510K3 K12 K13	8511K3 K12 K13	8512K3 K12 K13
ON ON *ON	ON ON ON	ON ON* ON*		---	8511K14 K15 K16	8512K15 K16 K17

\* Momentary contact.

① See "ON-ON-ON" circuit Diagram below.



#### APPROXIMATE DIMENSIONS<sup>②</sup>

No. of Poles	Dimensions, Inches			
	B	C	D	E
1	0.69	1.180	1.270	0.635
2	0.69	1.370	1.340	0.910
4	0.69	1.370	1.340	1.660

② Dimension A listed in selection table.

#### CURRENT RATINGS

Catalog Number	Type of Operation	28V dc			115V ac 60 or 400 Hertz		
		Lamp Load	Resistive Load	Inductive Load	Lamp Load	Res. Load	Ind. Load
8510	Maintained	5	20	15	3	15	10
		4	15	10	2	15	7
8511	Maintained	7	20	15	4	15	15
		5	18	10	2	11	8
8512	Maintained	5	20	12	4	15	15
		4	18	10	2	11	8

#### OPTIONS

- Special mounting hardware
- Mounting hardware furnished assembled
- Terminal screws furnished assembled
- Special circuits
- Bushing seal, Part Number 32-341 (see page 168).
- Spade terminals

NOTE: For Environmentally Sealed Switches Designed Specifically for Aerospace Applications per MIL-S-3950, see Pages 20-25.

For U.L. and C.S.A. listed switches, see page 28.

#### "ON-ON-ON" CIRCUIT DIAGRAM

