### **ECONOSWITCH - ENVIRONMENTALLY SEALED SWITCHES** Econoswitch Sealed Leverlock Toggle Switches Series - 8536, 8537, 8538

FEATURES	SPECIFICATIONS			С	URR	ENT RA	ATINGS			
<ul> <li>Environmentally sealed</li> <li>1, 2 and 4 pole circuitry</li> <li>Locking actuator for safety</li> <li>One hole mounting for easy installation</li> <li>Over 25 standard locking configurations</li> </ul>	<ul> <li>Watertight seal per MIL-STD-108E and designed to meet IP68</li> <li>UL recognized and CSA certified</li> <li>Temperature range: -50°F to +150°F (46°C to + 66°C)</li> <li>Life: 50,000 operations at rated load 100,000 operations</li> </ul>	No. of Catalog Type of Poles Number Operation			28VDC			115VAC 60 or 400Hz		
					Lamp Load	Resistive Load	Inductive Load	Lamp Load	Resistive Load	Inductive Load
2 & 3 position with maintained and momentary action		1	8536	Maintained	5	20	15	3	15	10
<ul><li>Multi-circuits</li><li>Three types of termination offered</li></ul>	<ul><li>mechanical life</li><li>Bushing: 15/32" - 32 thread</li></ul>			Momentary	4	15	10	2	11	7
<ul><li>as standard</li><li>Also available with toggle and</li></ul>		2	8537	Maintained	7	20	15	4	15	15
Designerline Actuator. For details see page A11 for toggles and page				Momentary	5	18	10	2	11	8
A17 for Designerline.		4	8538	Maintained	5	20	12	4	15	15
				Momentary	4	18	10	2	11	8

For the UL/CSA ratings, see page A70.

### LEVER LOCK SELECTION TABLE

		CIRCUIT	WITH LEVER IN		CATALOG NUMBER					
	Up Position	Center Position	Down Position (Keyway)	Screw Terminals	Solder Lug Terminals	Spade Terminals	Available Locking Configurations			
		ONE POLE								
9	ON	OFF	ON	8536K1 △	8536K91 △	8536K31 △	ALL			
	ON	NONE	OFF	K9 △	K99 △	K39 △	D, F, G			
	ON	NONE	ON	K4 △	K94 △	K34 △	D, F, G			
	ON	OFF	NONE	K6 △	K96 △	K36 △	E, F, K, M			
536	ON *ON NONE ON OFF	NONE OFF OFF NONE NONE	ON* ON* ON* OFF* ON*	8536K5 △ K2 △ K7 △ K10△ K11 △	8536K95 △ K92 △ K97 △ K910△ K911 △	8536K35 K32 K37 K310 K311 K311 K311 K311 K311 K311 K311 K311 K311 K311 K311 K312 K312 K32	F E, L, N E F F			
0	ON	OFF	ON*	8536K3 △	8536K93 △	8536K33 △	e, f, k, l, m,			
	*ON	ON	NONE	K12△	K912△	K312 △	e			
	ON	ON	NONE	K13△	K913△	K313 △	e, f, k, m			
		TWO POLE								
	ON	OFF	ON	8537K1 △	8537K91 △	8537K31 △	ALL			
	ON	NONE	OFF	K9 △	K99 △	K39 △	D, F, G			
	ON	NONE	ON	K4 △	K94 △	K34 △	D, F, G			
	ON	OFF	NONE	K6 △	K96 △	K36 △	E, F, K, M			
37	ON *ON NONE ON	NONE OFF OFF NONE	ON* ON* ON* OFF*	8537K5 K2 K7 K10 K	8537K95 △ K92 △ K97 △ K910△	8537K35 K32 K37 K310 K310 K310 K310 K310 K310 K310 K310 K310 K310 K310 K310 K310 K320 K310 K310 K310 K320 K310 K	F E, L, N E F			
-	OFF ON *ON ON	OFF ON ON	ON* ON* NONE NONE	K11 △ 8537K3 △ K12 △ K13 △	K911△ 8537K93 △ K912△ K913△	K311 △ 8537K33 △ K312△ K313 △	E, F, K, L, M, E E, F, K, M			
*3 01	ON	ON	ON	8537K14∆	8537K914∆	8537K314 △	ALL			
	ON	ON	ON*	K15∆	K915∆	K315 △	E, F, K, L, M,			
	*ON	ON	ON*	K16∆	K916∆	K316 △	E, L, N			
	*ON	ON	ON*	K19∆	K919∆	K319 △	E, L, N			
		FOUR POLE								
	ON	OFF	ON	8538K1 △	8538K91 △	8538K31 △	ALL			
	ON	NONE	OFF	K9 △	K99 △	K39 △	D, F, G			
	ON	NONE	ON	K4 △	K94 △	K34 △	D, F, G			
	ON	OFF	NONE	K6 △	K96 △	K36 △	E, F, K, M			
8538	ON	NONE	ON*	8538K5 △	8538K95 △	8538K35 △	F			
	*ON	OFF	ON*	K2 △	K92 △	K32 △	E, L, N			
	NONE	OFF	ON*	K7 △	K97 △	K37 △	E			
	ON	NONE	OFF*	K10△	K910△	K310 △	F			
	OFF	NONE	ON*	K11△	K911△	K311 △	F			
	ON	OFF	ON*	8538K3 △	8538K93 △	8538K33 △	E, F, K, L, M,			
	*ON	ON	NONE	K12△	K912△	K312 △	E			
	ON	ON	NONE	K13△	K913△	K313 △	E, F, K, M			
" C C C C C C C C C C C C C C C C C C C	ON	ON	ON	8538K15∆	8538K915∆	K315 △	ALL			
	ON	ON	ON*	K16∆	K916∆	K316 △	E, F, K, L, M,			
	*ON	ON	ON*	K17∆	K917∆	K317 △	E, L, N			

△ Complete part number requires this symbol to be replaced with a locking configuration letter - selected from page A16.

# Example: 8536K31 Basic Switch

Е 8536K31E Locking Style Complete Part Number See Page A71 for circuit diagrams.

#### A14 SAFRAN ELECTRICAL & POWER

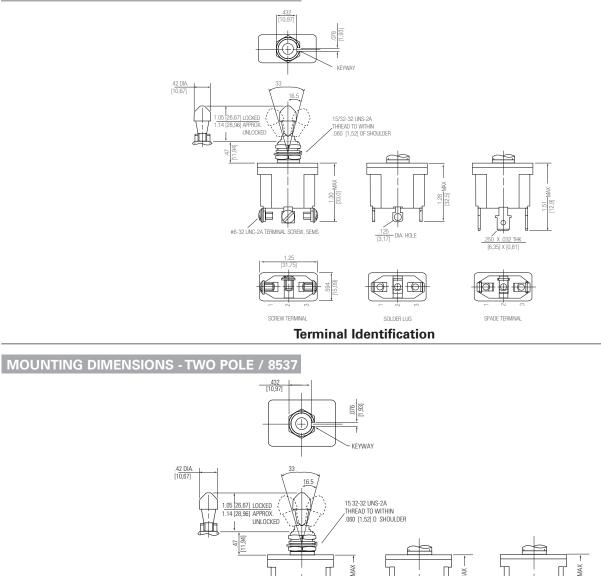
### SAFRAN

"Safran Electrical & Power Proprietary Information. Information contained in this document is Safran Electrical & Power Proprietary Information and is disclosed in confidence. It is the property of Safran Electrical & Power and shall not be used, disclosed to others, or reproduced without the express written agreement of Safran Electrical & Power. If consent is given for reproduction in whole or in part, this notice set forth on each page of this document shall appear in any such reproduction in whole or in part. Unauthorized export or re-export is prohibited."

# Series - 8536, 8537, 8538

# ECONOSWITCH - ENVIRONMENTALLY SEALED SWITCHES Econoswitch Sealed Leverlock Toggle Switches

**MOUNTING DIMENSIONS - ONE POLE / 8536** 



MAX

1.34

Ø 90

6-32 UNC-2A TERMINAL SCREW, SEMS

SCREW TERMINAL

## **STANDARD** 0.00 = inches

[0,0] = mm

Mounting dimensions for reference only.

Non-functional terminals not supplied.

**Terminal Identification** 



MAX

1.32

Ø 125 [3,17] DIA HOLE

(0)

SOLDER LUG

1.55

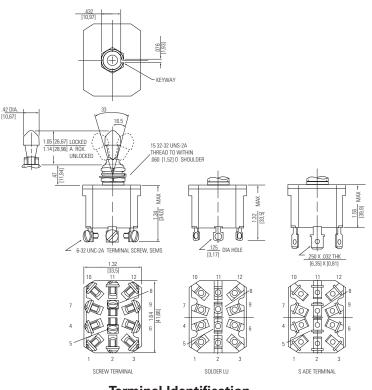
250 X .032 THK

SPADE TERMINAL

"Safran Electrical & Power Proprietary Information. Information contained in this document is Safran Electrical & Power Proprietary Information and is disclosed in confidence. It is the property of Safran Electrical & Power and shall not be used, disclosed to others, or reproduced without the express written agreement of Safran Electrical & Power. If consent is given for reproduction in whole or in part, this notice set forth on each page of this document shall appear in any such reproduction in whole or in part. Unauthorized export or re-export is prohibited.

### ECONOSWITCH - ENVIRONMENTALLY SEALED SWITCHES Econoswitch Sealed Leverlock Toggle Switches Series - 8536, 8537, 8538



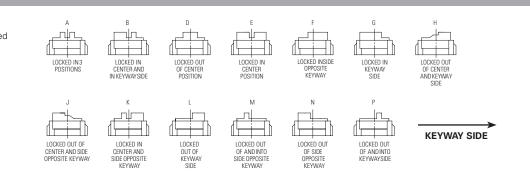


**Terminal Identification** 

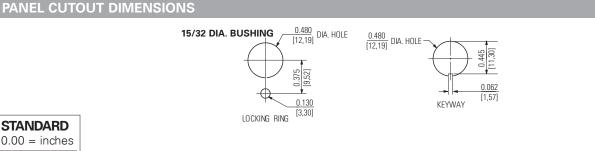
Non-functional terminals not supplied.

### **OPTIONS/ACCESSORIES**

- Special mounting hardware
- Mounting hardware furnished assembled Terminal screws furnished assembled
- Special circuits
- Panel seals, Part Number 32-341



Figures A thru P do not represent details of construction. They schematically illustrate locking function.



#### **STANDARD** 0.00 = inches

[0,0] = mm

Mounting dimensions for reference only.

A16 SAFRAN ELECTRICAL & POWER



"Safran Electrical & Power Proprietary Information. Information contained in this document is Safran Electrical & Power Proprietary Information and is disclosed in confidence. It is the property of Safran Electrical & Power and shall not be used, disclosed to others, or reproduced without the express written agreement of Safran Electrical & Power. If consent is given for reproduction in whole or in part, this notice set forth on each page of this document shall appear in any such reproduction in whole or in part. Unauthorized export or re-export is prohibit