

SERIES 58

Single Deck, Antistatic



LOCK FEATURES

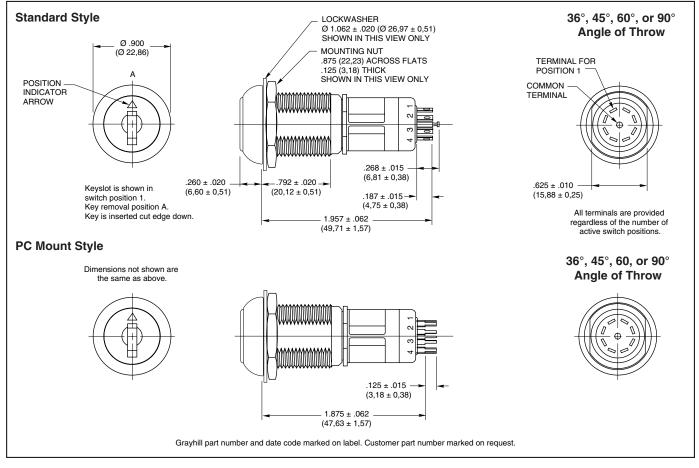
- Minimum Space Behind Panel
- 15,000 Vdc Static Protection
- 5 Tumbler-Plate Security
- In-Panel Key Recoding

SWITCH FEATURES

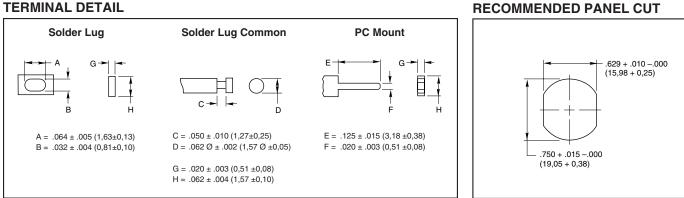
- Economical
- Solder Lug or PC Mount
- 36°, 45°, 60°, or 90° Throws
- 1 or 2 Poles Per Switch
- Up to 10 Positions for 1 Pole
- 200 mA for 25,000 Cycles



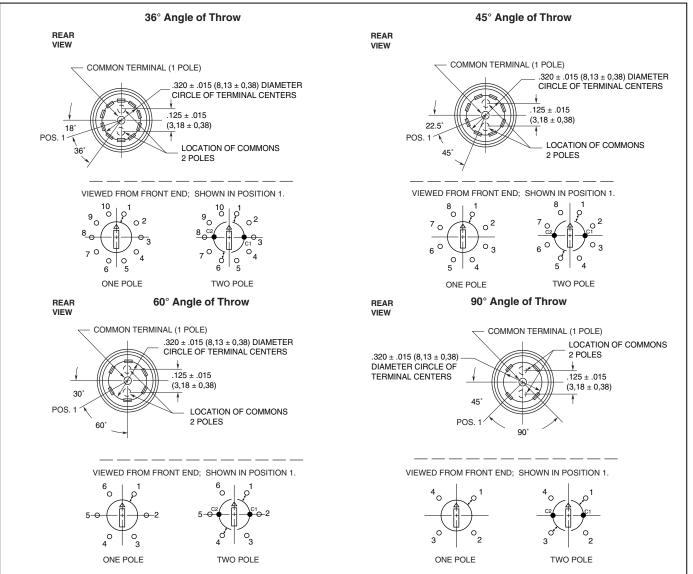
DIMENSIONS In inches (and millimeters)



TERMINAL DETAIL



CIRCUITRY



LOCK SPECIFICATIONS

Keying: All locks ke special order	ng, nut and lockwasher yed alike except by ock Switch: Lock flats	M Ka La M Tu
	A	
36° Throw Switch	At every position or At 0° & 180°	
45° Throw Switch	At every position or At 0°, 90°, 180°, 270°	
60° Throw Switch	At every position or At 0°, 180°	
90° Throw Switch	At every position or At 0°, 180°	
Optional pulls	Contact Grayhill	

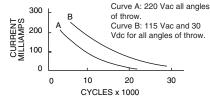
Materials & Finishes

Keys: Brass; 2 supplied Lock Barrel & Plug: Zinc, clear chromate Lockwasher: Steel, tin zinc plated Mounting Nut: Steel, nickel-plated Tumbler Plates: Brass

SWITCH SPECIFICATIONS

Electrical Characteristics

Chart is shown for non-shorting contacts and resistive load and for the life limiting criteria indicated below. The data for the curve was measured at sea level, 25°C and 68% relative humidity. Contact Grayhill for more information if any of the following is true: life limiting criteria are more critical than those listed; more cycles of operation are required; a larger make and break current is required; the operating environment includes elevated temperatures or reduced pressures.



Rotary



SWITCH SPECIFICATIONS Continued

Contact Resistance:	Anti-Static Voltage: Anti-static types tested	Materials and Finishes
Initially: less than 10 m Ω	to withstand 15,000 Vdc	Switch Base: Thermoset plastic
End of life: less than 50 m Ω		Switch Housing: Nylon
Insulation Resistance: (Between mutually	Mechanical Characteristics	Detent Rotor: Nylon
insulated parts)	Switching Mode: Shorting (make before break)	Detent Balls: Steel, nickel-plated
Initially: 50,000 MΩ	or non-shorting (break before make) as limited	Detent Springs, and Contact Springs:
Minimum: 10,000 MΩ	by the Choices chart	Stainless steel
Breakdown Voltage: (Between mutually	Type of Contact: Wiping	Common Ring: Brass, gold plate over silver
insulated parts) more than 600 Vac	Number of Terminals: All switches are provided	plate
Life Expectancy: Per chart; cycle is 1	with the full circle of terminals regardless of the	Terminals: Brass, gold over silver and
rotation thru all active positions plus a full	number of active positions	nickel plate
return.	Stop Strength: 1.70 Nm maximum (15.0 in-lbs)	Rotor Contact: Precious metal, gold alloy
Carry Current : 6A; maximum temperature rise 20°C	Switching Torque: 8 to 16 in-ozs	

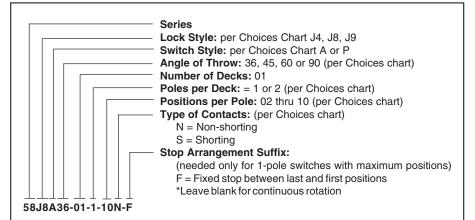
CHOICES AND LIMITATIONS

Lock Style and Description*	Switch Style and Description	Angle of Throw	No. Of Decks	Poles/ Deck	Positions Per Pole**	Shorting or Non-Shrtg.			
Series 58J Switches									
J4: Standard–Key pulls at Position 1 and at 90 Degree Increments	A = Standard, Solder LugsP = Standard, PC Mount	45°	1	1 2	02 to 08 02 to 04	N or S N or S			
J8: Standard–Key Pulls at Each Position	 A = Standard, Solder Lugs P = Standard, PC Mount 	36°	1	1 2	02 to 10 02 to 05	N or S N or S			
		45°	1	1 2	02 to 08 02 to 04	N or S N or S			
		90°	1	1 2	02 to 04 02	N N			
J9: Standard–Key Pulls at Position 1 and at 180 Degrees	 A = Standard, Solder Lugs P = Standard, PC Mount 	36°	1	1 2	02 to 10 02 to 05	N or S N or S			
		45°	1	1 2	02 to 08 02 to 04	N or S N or S			
		60°	1	1 2	02 to 06 02 to 03	N N			
		90°	1	1 2	02 to 04 02	N N			

*Standard Keylock has anti-static protection. All keylock versions available without anti-static protection, with a reduced overall body length. Contact Grayhill for more information.

**For single pole switches with maximum positions, specify continuous rotation or fixed stop when ordering.

ORDERING INFORMATION



Available from your local Grayhill Distributor. For prices and discounts, contact a local Sales Office, an authorized local Distributor or Grayhill.