

SERIES 44L High Current, 5 Amp

LOCK FEATURES

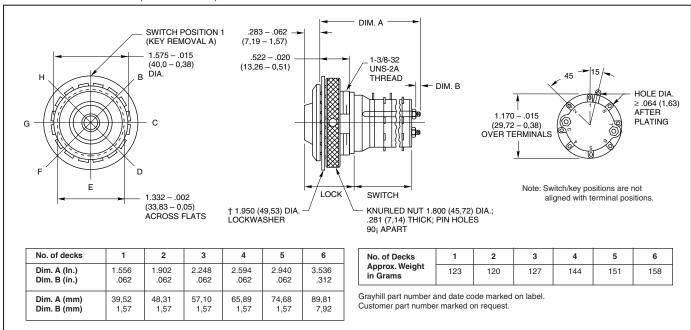
- 8-Pin, Round Key Security
- Options for Flat Keys, Special Keying, and Key Removals

SWITCH FEATURES

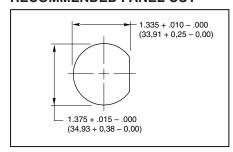
- High, 5 Amp Current Switching
- 45°, Up to 8 Poles Per Switch
- 25,000 Cycles of Operation
- RoHS Compliant

DIMENSIONS in inches (and millimeters)





RECOMMENDED PANEL CUT



LOCK SPECIFICATIONS

Keying: Each lock is keyed differently **Key Removal:** All positions (45°, etc) **Special Options:** Flat key with 90° or 180° increment key removals; 7 thru 12 decks

LOCK MATERIALS AND FINISHES

Bushing and Knurled Spanner Nut: Aluminum, black anodized

Keying Washer, Cover Support Plate, Shaft

Extension: 302 Stainless steel

Internal and External Lockwashers: Brass,

tin/zinc-plated or stainless steel.

Keys, Cylindrical: Stainless steel; 2 supplied

CHOICES AND LIMITATIONS

Style	Description	Angle of Throw	No. Of Decks	Poles/ Deck	Positions Per Pole	Shorting or Non-Shrtg.
Series 44 Switches						
L	Standard, Solder Lugs	45°	01 to 06 01 to 03 01 or 02 01 or 02	1 2 3 4	02 to 08 02 to 04 01 or 02 01 or 02	N or S N or S N



SWITCH SPECIFICATIONS

Electrical Characteristics Industrial Grade Switch

Switching Current and Life

The load-life values indicate the number of cycles of operation expected for the voltage, current and type of load. End of life is defined using the resistance and breakdown failure criteria listed below.

5A at 115 Vac, resistive 1A at 6 to 28 Vdc, resistive 2A at 115 Vac, inductive

Cycle of Operation: 360° rotation plus a

 360° return

 $\textbf{Test Conditions:}\ 25^{\circ}\text{C}, 68\%\ relative\ humidity},$

atmospheric pressure Life Expectancy:

With loads above: 25,000 cycles Without load: 100,000 cycles

Contact Resistance:

End of life: less than 20 m Ω

Insulation Resistance:

(Between mutually insulated parts) Initially: $50,000 \text{ M}\Omega$

Breakdown Voltage:

(Between mutually insulated parts) Initially: 1,000 Vac End of life: 500 Vac

Carry Current: 10A; maximum temperature

rise 20°C

Mechanical Characteristics Switching Mode:

45°, 1 or 2 poles: Shorting or non-shorting

45°, 3 or 4 poles: Non-shorting **Type of Contact:** Wiping contacts **Contact Force:** greater than 150g

Number of Terminals: Switches are provided with only the number of terminals needed Stop Strength: greater than 15 in-lbs (1.70

Nm)

Switching Torque: 8-115 in-ozs (28 to 230 mNm), depending on the number of poles, number of decks, and angle of throw

Additional Characteristics

Switches of 6 or more decks have longer studs with extra mounting nuts for recommended double end mount

Materials and Finishes: Switch

Switch Bases: Melamine per MIL-M-14, 4

Switch Bases:

Industrial Grade: Melamine per MIL-M-14

Military: Diallyl per MIL-M-14

Cover, Deck Separators, End Plate, and Rotor Mounting Plate: Phenolic per

MIL-M-14

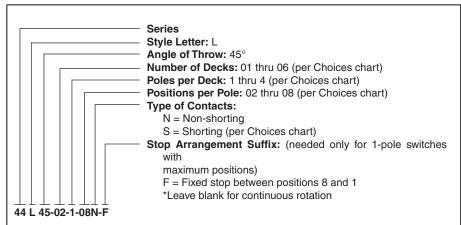
Shaft, Shaft Extension, Stop Arm, Stop Washers, Rear Support Plate, Cover Plate, Retaining Ring, Studs, Nuts: Stainless steel

Detent Balls: Steel, nickel-plated Detent Springs: Tinned music wire Rotor Contact, and Stator (Base) Con-

tacts: Silver alloy

Common Plate, and Common Terminal: Brass, 300µ inch, (7.6 µm) silver plate Base Terminals: Brass, tin plated

ORDERING INFORMATION



Available from your local Grayhill Distributor.

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

AMEYA360 Components Supply Platform

Authorized Distribution Brand:

























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