

SPECIFICATIONS

Electrical Ratings

Switching Loads: 1.5 mA at 115 Vac, resistive; 150 mA at 14 Vdc, resistive

Current Carrying Capacity: 250 mA maximum at 28 Vdc, resistive load

Contact Resistance: 75 mΩ, typical

Insulation Resistance: 1000 mΩ minimum between terminals

Voltage Breakdown: 1000 Vac minimum between terminals

Life Expectancy: 100,000 cycles of operation at rated loads. One cycle of operation is a rotation through all of the active positions and a return to the starting position.

Mechanical Ratings

Rotational Torque: 2 to 6 in-oz

Operating Temperature Range: -40 C° to +85 C°

Storage Temperature Range: -65 C° to +85 C°

Continuous Rotation: All standard switches are continuous rotation. Desired stop locations supplied upon request.

Anti-Rotation Device: Integral non-turn tab, flatted bushing, .375" diameter, .320 double "D" across flats.

Termination: Standard is PC style, parallel to shaft, facing rear. Options include PC, parallel to shaft, facing front.

Panel Mounting Torque: 10 in-lbs maximum

Materials and Finishes

Bushing/Housing and Shaft/Rotor: Reinforced thermoplastic

Detent Ball: Stainless steel, nickel-plated

Detent Spring: Tinned music wire

Contacts: Beryllium copper, gold plate over nickel

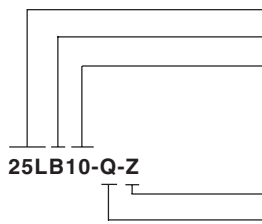
Terminals: Copper alloy, #725, 100% tin plate over nickel plate

Output Board: FR-4, copper/nickel-plated

Mounting Nut: Brass, tin/zinc-plated hex nut

Mounting Bracket: Stainless Steel, tin-plated

ORDERING INFORMATION



Series: 25L = Economical, single deck encoder

Housing Color: B = Black housing; R = Red housing

Angle of Throw: 10 = 10°, 36 positions; 11 = 11.25°, 32 positions;
15 = 15°, 24 positions; 18 = 18°, 20 positions;
22 = 22.5°, 16 positions; 30 = 30°, 12 positions;
45 = 45°, 8 positions

Mounting Bracket: Z = with bracket, Blank = no bracket

Code Output: H = Hexadecimal available only in 22.5°

G = Gray available only in 22.5°

Q = Quadrature (2-bit)

Custom materials, styles, color and markings are available. Custom knobs available, see page I-57.

Available from your local Grayhill Distributor. For prices and discounts, contact a local Sales Office, an authorized local Distributor or Grayhill. **For Custom codes. Termination, Torque, Angles of Throw, Call Grayhill for more information.**