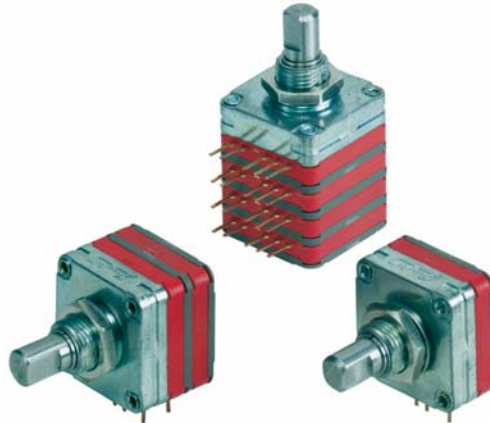


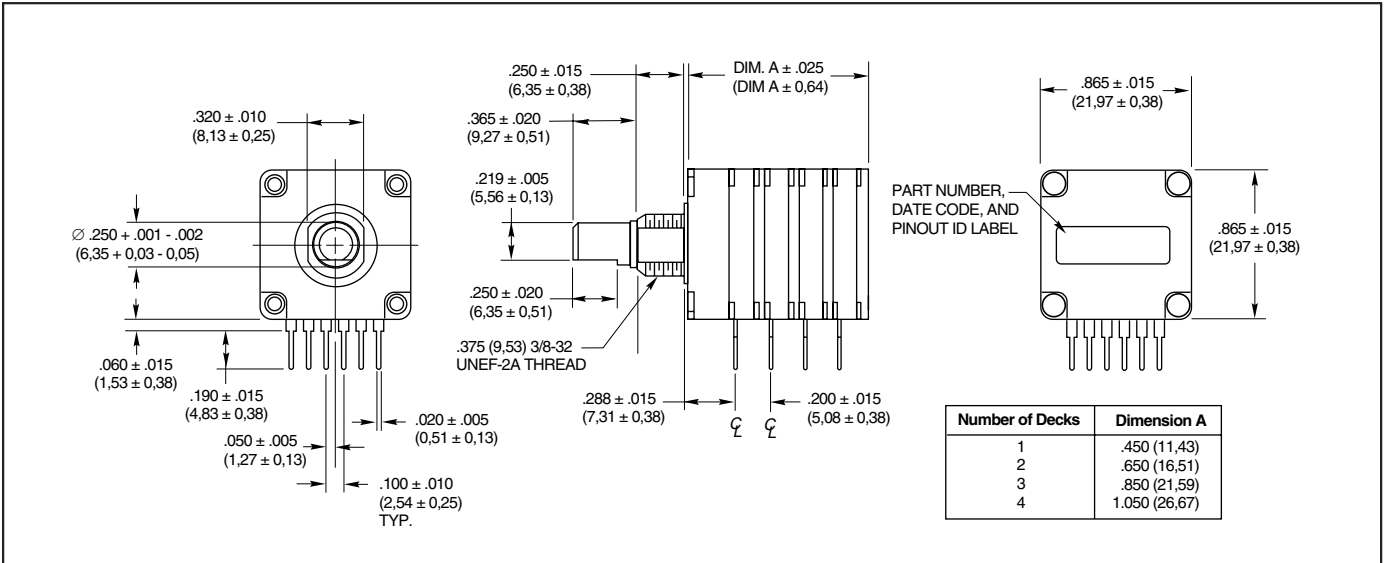
SERIES 25
Multi-Deck

FEATURES

- Multiple Code and Indexing Choices
- Reliability Tested to Listed Specifications
- Less than 1.0" Square
- Termination Choices
- Panel and Shaft Seal Option
- Manufactured to ISO 9001 and Military Standards
- Custom Configurations Available



DIMENSIONS In inches (and millimeters)



Optical and Mechanical Encoders

SPECIFICATIONS

Electrical Ratings

Switching Loads: 150 mA at 120 Vac, resistive; 150 mA at 28 Vdc, resistive
Current Carrying Capacity: 250 mA at 28 Vdc, resistive
Contact Resistance: 75 mΩ maximum after life
Insulation Resistance: 1000 mΩ minimum between terminals and shaft
Voltage Breakdown: 1000 Vac minimum between terminals and shaft
Life Expectancy: 50,000 cycles at rated loads
Contacts: Shorting

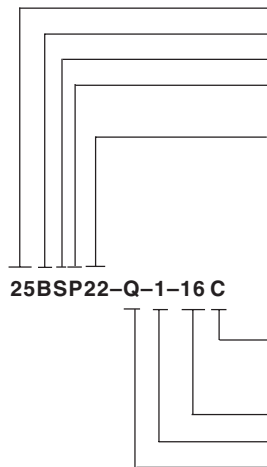
Mechanical Ratings

Stop Strength: 10 in-lbs minimum
Rotational Torque: 4-20 in-oz, dependent on the number of decks
Operating Temperature Range: -65°C to +85°C
Non-Turn Device: Flatted mounting bushing, .375" dia. x .320"
Package Size: .865" square
Termination: PC terminals, .100" on center. Decks are .200" apart.

Materials and Finishes

Bushing: Die cast zinc alloy, tin-zinc plated
Mounting Hardware: plated brass
Decks, Deck Separators, End Plate: Thermoplastic
Contacts and Terminals: Gold, silver, nickel-plated beryllium copper
Shaft, Stop Blades: Stainless Steel
Detent Balls: Steel, nickel-plated
Rivets: Brass, zinc-plated

ORDERING INFORMATION



Series 25: Multi-deck
Shaft size: B = 1/4" diameter shaft
Sealed or non-sealed: S = Shaft and panel seal; No letter = no seal
Terminal structure: P = PC, perpendicular to shaft; R = PC, rear facing (one deck only); F = PC, front facing (one deck only).
Angle of throw (determines the maximum number of positions):
 10 = 10°, 36 positions; 11 = 11.25°, 32 positions; 12 = 12°, 30 positions;
 15 = 15°, 24 positions; 18 = 18°, 20 positions; 22 = 22.5°, 16 positions;
 30 = 30°, 12 positions; 45 = 45°, 8 positions; 60 = 60°, 6 positions;
 90 = 90°, 4 positions.

Stop arrangement: For switches with maximum positions, add C for continuous rotation; add F for stop between first and last. No notation required for less than maximum positions.
Number of positions: Maximum is dependent on the angle of throw. Minimum is two.
Number of decks: One through four possible.
Code output:
 B = Binary available in 22.5°
 Q = Quadrature
 G = Gray available in 22.5°

Specials include 1/8" diameter shaft, custom angles of throw for binary, binary complement and gray code outputs. Contact Grayhill Sales for availability.

Control 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.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Encoders](#) category:

Click to view products by [Grayhill](#) manufacturer:

Other Similar products are found below :

[6-1393048-0](#) [6-1393048-5](#) [62AG22-H5-P](#) [700-09-36](#) [1393047-3](#) [ECW1J-C36-SE0/077L](#) [2-1393047-2](#) [25LB22-G-Z](#) [T101-5C3-111-M1](#)
[385001M0439](#) [385001M0216](#) [V23401H1409B101](#) [V23401T8002B802](#) [V23401U6019B609](#) [62B11-LPP-040C](#) [62HS22-H0-040S](#) [700-16-16](#)
[700-24-24](#) [V23401D1001B102](#) [3-1393048-1](#) [288T220R161A2](#) [1-1879391-5](#) [GH65C11-N-SO](#) [1393047-1](#) [702-01-24](#) [703-20-00](#) [62V22-02-P](#)
[62D15-02-140S](#) [61K128-075](#) [EC21C1520402](#) [62AG18-L5-020C](#) [E6F-AG5C 720 2M](#) [62B22-SPP-030C](#) [60016-005](#) [31215-003](#) [01039-2677](#)
[ACZ11BR2E-20FD1-20CZ-0546](#) [DXM510-2000S002](#) [01002-2133](#) [01002-9375](#) [01002-9572](#) [01026-476](#) [01039-1102](#) [01039-1981](#) [01070-](#)
[1315](#) [01072-513](#) [01080-056](#) [01084-089](#) [01094-017](#) [01102-031](#)