Mechanical Encoders

## 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)
BP Style: Terminals Perpendicular to Shaft inches (and millimeters)


BF Style: Front-Facing Terminals (Single Deck Only)


## 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: $75 \mathrm{~m} \Omega$ max. after life Insulation Resistance: $1000 \mathrm{~m} \Omega$ 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: $-65^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$
Non-Turn Device: Flatted mounting bushing, 375" dia. x .320"
Package Size: .865" square
Termination: PC terminals, .100 " on center.
Decks are .200" apart
Hardware: Hex nut and lockwasher supplied

## 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, nickelplated beryllium copper
Shaft, Stop Blades: Stainless Steel
Detent Balls: Steel, nickel-plated
Rivets: Brass, zinc-plated

## RECOMMENDED PANEL CUTOUT



ORDERING INFORMATION

## Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery \& Lifecycle Information:

## Grayhill:

25BSR22-B-1-07 25BR15-G-1-20 25BSP11-G-1-32C 25BR18-B-1-19 25BP30-B-1-06 25BSR22-G-1-08 25BSP15-
B-1-23 25BP30-B-1-07 25BR11-B-1-32F 25BSR12-B-1-30C 25BR15-B-1-24C 25BSP11-B-1-16 25BSP30-G-4-12C
25BP30-Q-1-08 25BSR30-G-1-12C 25BSP22-G-1-06 25BSP60-B-1-06C 25BSP45-Q-1-08C 25BSP30-Q-1-05
25BP22-B-1-08 25BP45-Q-2-08C 25BP11-B-1-32F 25BSP30-B-4-12C 25BSR15-G-1-16 25BSP45-B-1-08C
25BR22-B-1-09 25BR15-B-1-19 25BSP11-B-1-32C 25BP22-B-1-07 25BSP30-B-1-11 25BP45-Q-1-08C 25BSR90-
Q-1-04C 25BSP60-B-1-06F 25BSP15-G-1-16 25BSP22-G-1-08 25BSP22-B-1-08 25BP22-Q-1-08 25BSF30-B-112C 25BSP45-G-4-08F 25BSP22-B-1-04 25BP22-B-1-06 25BSP11-B-1-32F 25BSP15-B-1-24C 25BSP30-B-1-12C 25BSP36-B-1-10C 25BSP36-B-1-10F 25BSR11-G-1-10 25BSP36-G-1-10C 25BSR22-G-1-04 25BP15-G-1-24F 25BP30-B-1-04 25BSP30-B-1-12F

