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

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components
Click to view similar products for Encoders category:
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