DR011

Direct Replacement Encoder For BEI EX152





Features:

- High precision 38.1mm (1.50") incremental encoder
- · Stainless steel 1/4" OD shaft
- · Quadrature A & B channels
- 1000 PPR
- Push-Pull output
- Servo mount encoder with 4-40 x 7.62mm deep mounting holes on a 27.9mm bolt circle
- 457mm cable with strain relief
- IP50 sealing
- Shaft speeds up to 7,500 RPM

The DR011 is the smart direct replacement choice for the BEI EX152 encoder commonly used on postal sorting equipment, baggage systems, and packaging/conveying equipment. This exact replacement has the added benefit of an attached cable, saving a technician time by not having to solder wires to a circuit board. Improved sealing means a longer life with increased protection.

If you need to replace a BEI EX152, save yourself both time and money and order the DR011.



The Accu-Coder[™] Advantage

- · Get this encoder FAST!
- Huge savings in price!
- The accuracy, reliability, and quality that only come from an Accu-Coder[™]
- Industry Best 3-year warranty!



Model BEI EX152

Don't see the exact encoder you need?

Call +44(0)1978 262100 and our Technical Sales Department will cross-reference your encoder to the correct BEPC model.

Rev

DR011Direct Replacement Encoder For BEI EX152



Model DR011 Specifications

EI				

quadrature with channel A leading B for clockwise shaft rotation, as viewed from the encoder mounting face. See Waveform Diagrams below.

Output Type Push-Pull — 20 mA max per channel

Freq Response 100 kHz

Noise Immunity....... Tested to BS EN61000-4-2; IEC801-3; BS EN61000-4-4; DDENV 50141; DDENV 50204; BS EN55022 (with European compliance option); BS EN61000-6-2; BS

EN50081-2

Rise Time Less than 1 microsecond

Accuracy 0.017° mechanical (1.0 arc minutes) from one cycle to any other cycle.

Mechanical

Max Speed.......7500 RPM. Higher shaft speeds may be achievable, contact Customer Service.

Shaft Size............6.35mm outside diameter

Shaft Rotation Bi-directional

Radial Shaft Load 2.26 Kg

Axial Shaft Load....... 1.36 Kg Starting Torque....... 2.507×10^{-2} N-m typical

 2.825×10^{-2} N-m typical for -40° C

operation

Max Acceleration 1 x 105 rad/sec2

Electrical Conn......... 2M cable (foil and braid shield, 24 AWG

conductors)

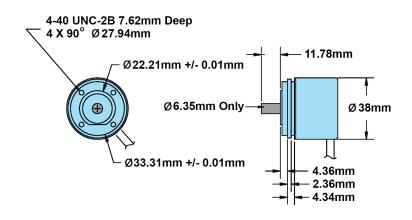
HousingBlack non-corrosive finish
BearingsPrecision ABEC ball bearings
Mounting33.31mm Servo Mounting face; see

dimensions87.88 grams typical

Weight......

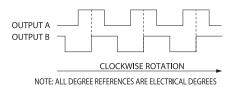
Operating Temp 0° to 70° C
Storage Temp -25° to 85° C
Humidity 98% RH non-condensing
Vibration 10 g @ 58 to 500 Hz
Shock 50 g @ 11 ms duration

DR011 Dimensions



All dimensions are in mm with a tolerance of ±0.127mm or ±0.254 unless otherwise specified

Waveform Diagram -



Wiring Table

Function	Cable Color				
COM	Black				
+VDC	White				
Α	Brown				
В	Red				
Shield	Bare				