

In-Stock Program RI-43 Large Bore Encoders



In-Stock and Ready to Ship

After a successful debut to the “Any Device, One Price!” campaign with the RI-43 Heavy-Duty Large Bore Encoder, Turck is now stocking all of the major components needed to build the vast majority of encoders used within most industrial applications.

With all of the components stocked, over 1,000 encoder combinations can be created.

The various mounting accessories allow for flexible installation and continuous usage of the encoder to standard industrial AC vector motors, reducing wear on the bearings of the encoder and also ensuring longer life of the encoder.

The use of a standard 38 mm bore allows for different isolation inserts to be installed. The isolation insert serves two purposes:

1. Allows the installation of a standard encoder to numerous shaft sizes.
2. The conductive path between the encoder and motor is removed, meaning that no electrical or thermal transients present on the motor shaft will pass to the encoder, which enables the life of the encoder to be extended.

Exact replacement options for common industrial competitive encoders are available.

Advantages

- **Modularity:** Numerous designs due to interchangeable parts.
- **Rugged Design for Vector Motors:** Special shaft connection with interlocked bearing system and balanced clamping ring. Isolation inserts available to protect against thermal and electrical currents on the motor shaft.
- **Affordable:** Competitive pricing that meets or exceeds the industry standard.

Assemble your own encoder

Simply select an encoder below that best matches the requirements of the application. If a different bore size is needed, select the isolation insert with the correct bore size. If a different mounting flange is required, select the correct mounting accessory. Add the mating cordset which matches the connector type of the encoder selected. An optional encoder cover is also available. [See full specifications of the RI-43.](#)



Encoder

8-Pin M12

- RI-43H38E2-2F1024-H1181/N33
- RI-43H38E2-2F2048-H1181/N33
- RI-43H38E2-2F1024-H1181/N29
- RI-43H38S8-2F1024-H1181/N29
- RI-43H20S8-2F1024-H1181/N42
- RI-43HA3S8-2F1024-H1181/N33/N42
- RI-43HA4E2-2F1024-H1181/N33/N42
- RI-43HA4E2-2F2048-H1181/N33/N42
- RI-43HA6E2-2F1024-H1181/N42
- RI-43HA6E2-2F1024-H1181/N33/N42
- RI-43HA6E2-2F2048-H1181/N33/N42
- RI-43HA6S8-2F1024-H1181/N29/N42
- RI-43HA7S8-4A5000-H1181/N42

10-Pin MIL

- RI-43H38E2-2F1024-10MIL/N33/N40
- RI-43H38E2-2F2048-10MIL/N33/N40

12-Pin M23

- RI-43HA6S8-AA2048-12M23/N42



Isolation Insert

- RSA-12 (12 mm Bore)
- RSA-A3 (1/2" Bore)
- RSA-14 (14 mm Bore)
- RSA-15 (15 mm Bore)
- RSA-A4 (5/8" Bore)
- RSA-16 (16 mm Bore)
- RSA-18 (18 mm Bore)
- RSA-A5 (3/4" Bore)
- RSA-20 (20 mm Bore)
- RSA-25 (25 mm Bore)
- RSA-A6 (1" Bore)
- RSA-A7 (1-1/8" Bore)
- RSA-30 (30 mm Bore)
- RSA-A8 (1-1/4" Bore)
- RSA-32 (32 mm Bore)
- RSA-TAPER (15 mm Taper Bore)



Cordset

8-Pin M12

- E-RKC 8T-264-2
- E-RKC 8T-264-5
- E-RKC 8T-264-10
- E-RKC 8T-264-15
- E-RKC 8T-930-2
- E-RKC 8T-930-5
- E-RKC 8T-930-10
- E-RKC 8T-930-15

10-Pin MIL

- E-MK 10-931-2/S1110
- E-MK 10-931-5/S1110
- E-MK 10-931-10/S1110

12-Pin M23

- E-CKM 12-931-5
- E-CKM 12-931-10



Mounting Accessory

- RA-43-S8 (Long Tether Arm)
- RA-43-E2 (C-Face Tether Arm)
- RA-43-S4 (Long Torque Stop)
- RA-43-S5 (Short Torque Stop)



RI-43 Cover

Encoder Cover Kit