

NEW



Dual Isolated Outputs Model with Swivel Rod Tether

Single Output Model with Stamped Metal Tether

Series HSD35

- *Hollow Shaft design eliminates mounting bracket, flexible shaft coupling, and installation labor*
- *Bore is electrically and thermally insulated*
- *Single or Dual output - Optional high current line driver*
- *Choice of Stamped Metal or Swivel Rod Tether*
- *High Resolution Unbreakable Disk*
- *Industrial Duty Latching Connector*
- *NEMA 4 / IP66 Rated*
- *Two Year Warranty*

Heavy Duty Sealed Hollowshaft Encoder

DESCRIPTION

The NorthStar brand Series HSD35 Sealed Hollowshaft encoder is designed for easy installation on motor or machine shafts. Its hollowshaft design eliminates the need for a flexible shaft coupling, mounting bracket, flower pot, or flange adapter. This not only reduces the installation depth, but also lowers total cost.

The Series HSD35 Sealed Hollowshaft is equipped with an unbreakable disk that resists contamination and meets the demands of the most severe shock and vibration generating processes. Its floating shaft mount and spring tether eliminate bearing loads and flexible shaft couplings to eliminate wear and maintenance.

Series HSD35 has complete electrical protection from overvoltage, reverse voltage, and output short circuits. In addition, the Series HSD35 is not only electrically & thermally isolated, but also environmentally sealed with shaft seals at both ends.

APPLICATIONS:

The HSD35 sealed hollow shaft encoder is ideal for motor and machine applications at resolutions to 2500 PPR. Choice of stamped metal or swivel rod tether provide flexible mounting for a wide variety of installations

- Vector Motor and Drive Feedback
- Converting Machinery
- Packaging Equipment
- Paper Processing

INDUSTRIES

Manufacturing, Assembly, Material Handling and any other where a precise, reliable feedback signal is required.

FEATURES/BENEFITS

Mechanical and Environmental

- Unbreakable code disk
- Flexible mounting
- Minimizes bearing loads
- Heavy duty shaft seals. Optional extra heavy duty rugged shaft seals.
- Sealed connector – No soldering
- Insulated from motor housing/shaft temperatures at or above 125°C
- Direct shaft size minimizes wobble caused by universal inserts

Electrical

- Overvoltage, reverse voltage, & output short circuit protection
- Noise immunity to EN50082-2
- Bore is electrically isolated from shaft currents
- Cast housing maximizes noise immunity and durability