

H25-FS-R5B Specification Sheet

SHEET # 940-2T640

DESCRIPTION

The H25-FS-R5B is a size 25, flange mount, single turn transducer with a side connector that is a bolt-in replacement for most flange mount optical encoders. Its NEMA 4 (IP 65) rating means it will survive most industrial applications including washdowns. Because this transducer is a resolver instead of an optical encoder, it can be used in harsh applications where an optical encoder cannot even be considered.

Because the H25-FS-R5B is an absolute sensor, it cannot "lose counts" as an incremental transducer can. If the H25-FS-R5B appears to be losing counts when operating, the usual cause is a shaft slipping in a loose coupler.

Note that this resolver is a non-standard configuration and cannot be used with standard AMCI product. For information on resolvers that are electrically compatible with AMCI products, look at our H25-FS resolver transducer.

SPECIFICATIONS

ELECTRICAL

Resolver Type: Transmitter
Primary: Rotor
Input Voltage: 7.0 V
Input Freq: 1000 Hz
Input Current: 20.0 mA Max.
Output Voltage: 7.0 V Nom.
Trans. Ratio (TR): 1.00 ± 5%
Accuracy: ± 12 min. (max error)

MECHANICAL

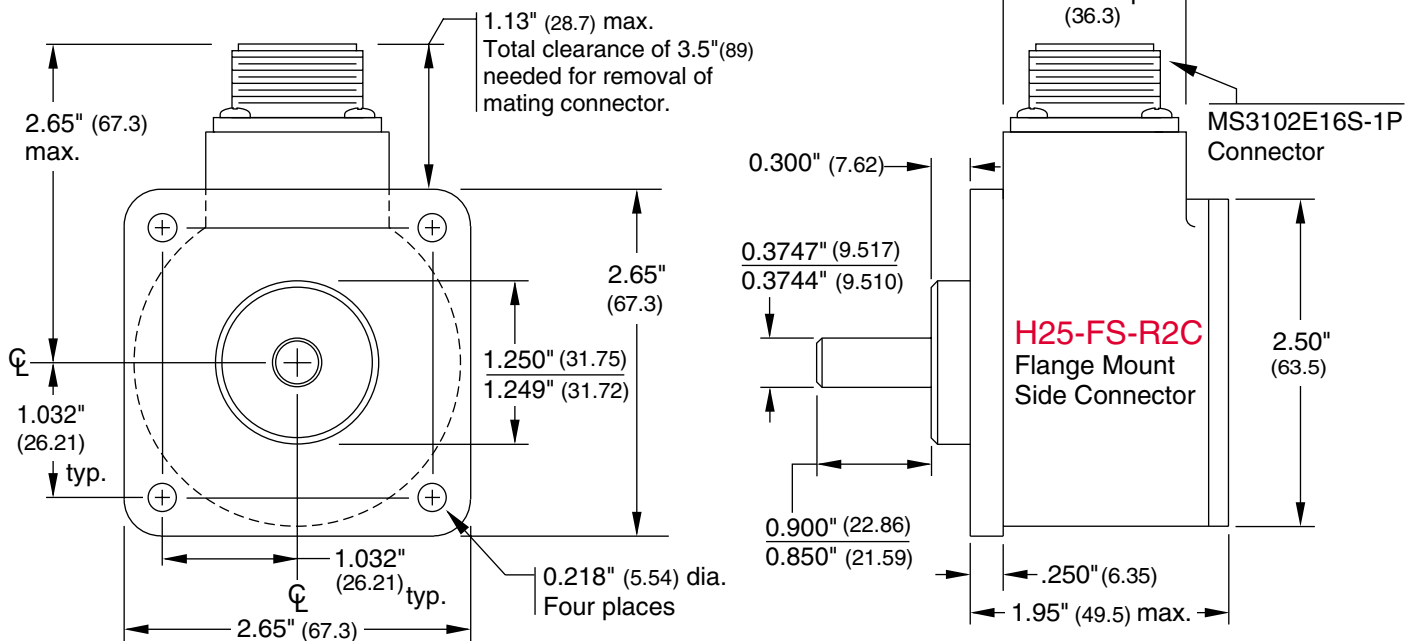
Shaft Loading: Radial: 40 lbs. max.
Axial: 20 lbs. max.
Starting Torque: 1.5 oz.in. @ 25°C
Moment of Inertia: 6.00X10⁻⁴ oz-in-sec² max.
Weight: 1 lb.

ENVIRONMENTAL

Shock: 50 g's for 11 mSec
Vibration: 15 g's to 2000 Hz
Operating Temp: -20 to 125°C
Enclosure: NEMA 4
Power Coated
Aluminum Body
303 Stainless Steel Shaft

DIMENSIONAL DRAWING

() = Dimensions in millimeters

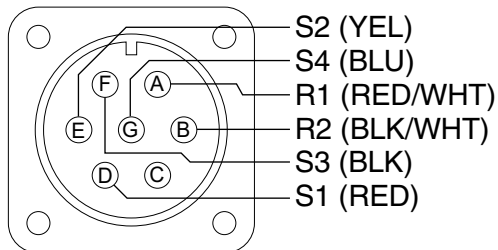


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CONNECTOR PINOUT

The figure below shows the connector pinout to industry standard designations and wire colors. Mating connectors available from AMCI are also given.

BENDIX CONNECTOR: MS3102E16S-1P



Female Mating Connector	AMCI Part #
MS3106A16S-1S STRAIGHT	MS-16
MS3108A16S-1S RT. ANGLE	MS-18
MS3106F16S-1S WATERTIGHT	MS-161

FOR MORE INFORMATION

If you need more information on the H25-FS-R5B use these three resources:

- * If you have internet access, check our website at <http://www.amci.com>. We've worked hard to make our site the repository of information you need to specify and use AMCI products. New product news, product specifications, compatibility tables, application notes, and PDF manuals are all available 24 hours a day.
- * You can also call AMCI for sales or technical support at (860) 585-1254 from 8AM to 5PM EST, Monday through Friday. An applications engineer will be available to assist you.
- * Finally, you can e-mail us at sales@amci.com or techsupport@amci.com.