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# H25-F1E Specification Sheet

SHEET # 940-2T172

#### DESCRIPTION

The H25-F1E is an AMCI size 25, flange mount, single turn transducer with an end connector that is a bolt-in replacement for many C&A/Namco transducers including the HT-11 and KHT-11. Its IP 67 rating means it will survive most industrial applications including washdowns.

Because the H25-F1E is an absolute sensor, it cannot "lose counts" as an incremental transducer can. If the H25-F1E appears to be losing counts when operating, the usual cause is a shaft slipping in a loose coupler.



The H25-F1E is electrically compatible with AMCI products. In order for the H25-F1E to work with C&A/NAMCO equipment you must use an AMCI *RM-1 Reference Module.* This device is a three pin transformer that wires into the transducer cable and adjusts the reference voltage so that the transducer will work properly with the C&A/NAMCO equipment.

## **SPECIFICATIONS**

**ELECTRICAL** 

Input Voltage: 7.0 V Input Freq: 5000 Hz Primary: Rotor

Input Current: 20.0 mA Max. Output Voltage: 6.65 V Nom. Trans. Ratio (TR): 0.95 ± 5%

Accuracy: ± 12 min. (max error)

**MECHANICAL** 

Shaft Loading: Radial: 40 lbs. max<sup>†</sup>.

Axial: 20 lbs. max<sup>†</sup>.

Starting Torque: 2.0 oz.in. @ 25°C

Moment of Inertia: 6.00X10<sup>-4</sup> oz-in-sec<sup>2</sup> max.

Weight: 1.6 lb.

† Bearing life rated at 2X109 revolutions min.

at maximum shaft load.

**ENVIRONMENTAL** 

Shock: 50 g's for 11 mSec Vibration: 15 g's to 2000 Hz

Operating Temp: -20 to 125°C

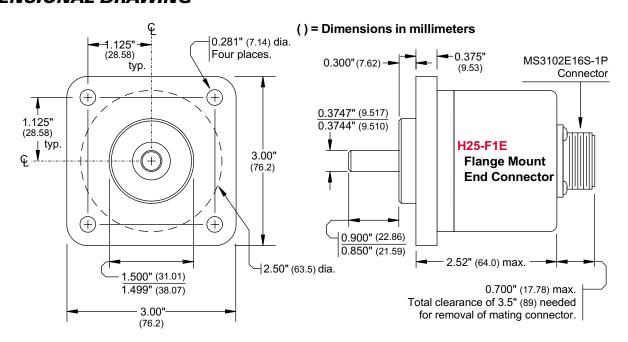
Enclosure: IP 67

Power Coated Aluminum Body

303 Stainless Steel Shaft

Nitrile Shaft Seal

### **DIMENSIONAL DRAWING**

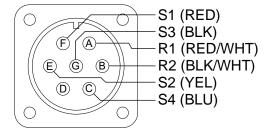


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### **CONNECTOR PINOUT**

The figure below shows the connector pinout to industry standard designations and wire colors. Mating connectors available from AMCI are also given. Note that this is AMCI standard transducer wiring.

#### BENDIX CONNECTOR: MS3102E16S-1P



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

### FOR MORE INFORMATION

If you need more information on the H25-F1E 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 respository of information you need to specify and use AMCI products. New product news, product specifications, compatibality 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.