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H25-F1E Specification Sheet

SHEET # 940-2T171

INSTALLATION NOTES

The H25-F1E is a bolt-in replacement for many C&A/Namco transducers including the HT-11 and KHT-11 transducers. The NEMA 4 rating of the H25-FE means that it will survive most industrial applications including washdowns. Note that the H25-F1E has a 3/8" shaft, while some of the C&A/Namco HT-11 and KHT-11 models have 5/8" shafts.

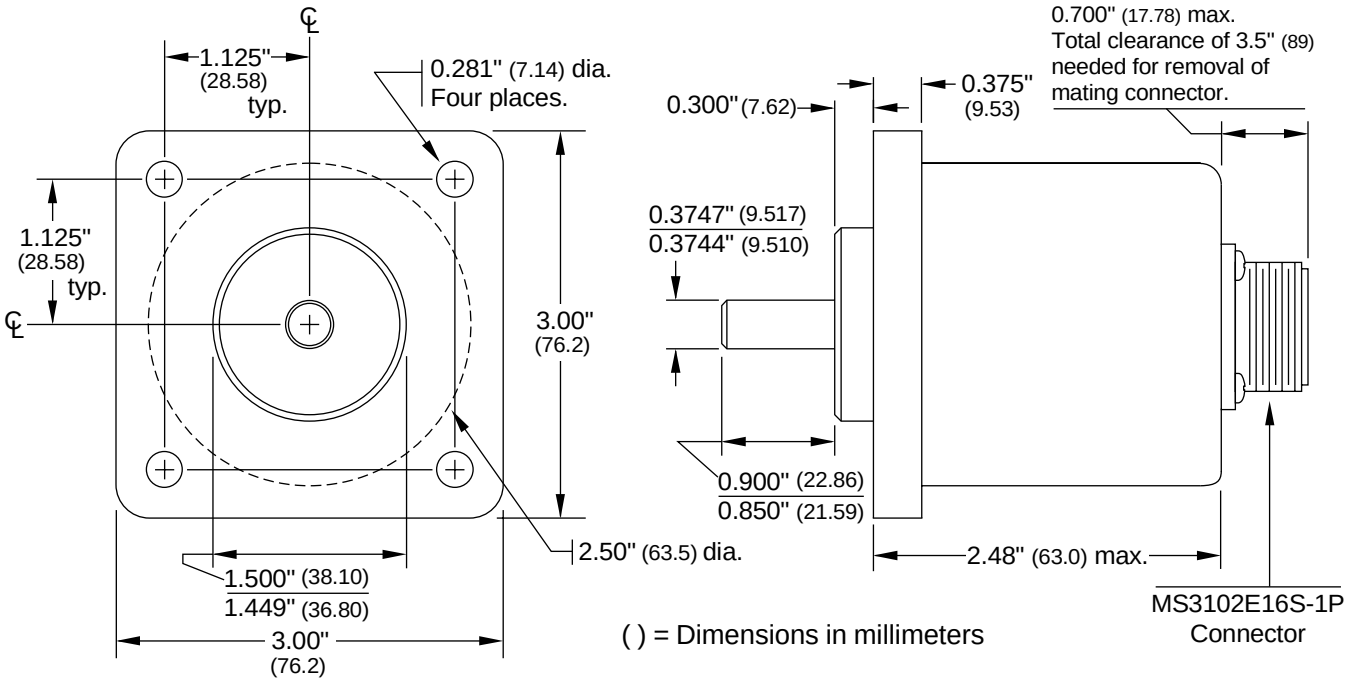
Because of the H25-F1E's small shaft size, use care when mounting gears or pulleys on the shaft. When installing the H25-F1E, observe the radial and axial load specifications to insure long bearing life. Use a flexible coupler when attaching the transducer directly to a machine shaft. Even a small mis-alignment or movement in the machine shaft can cause very large radial and axial loads on the transducer bearing if the two shafts are directly coupled.

When mounting the H25-F1E, the shaft hole should be at least 1.25" in diameter so that the pilot can pass through the hole. If your pilot hole is smaller that 1.25", standoffs that are at least 0.3" long must be used. *DO NOT* compress the front of the pilot when mounting the transducer. This may compress the shaft bearing which will shorten its life.

Because the H25-FE is an absolute sensor, it cannot "lose counts" as an incremental transducer can. If the H25-FE appears to be losing counts when operating, the usual cause is a shaft slipping in a loose coupler. Check all mechanical couplings and use shaft keys wherever possible.

NOTE 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 equipment.

DIMENSIONAL DRAWING



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SPECIFICATIONS

MECHANICAL

Shaft Loading:	Radial: 40 lbs. max.
	Axial: 20 lbs. max.
Starting Torque:	1.5 oz.in. @ 25°C
Moment of Inertia:	6.00 X 10^{-4} oz-in-sec² max.
Weight:	1 lb.

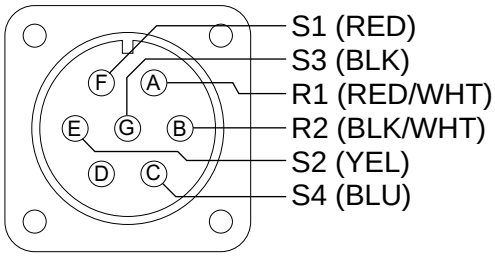
ENVIRONMENTAL

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

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-F1E, use these four resources:

- Check the manual that came with the AMCI module or controller you're using. If the H25-F1E is compatible with the unit, its manual will contain transducer cable wiring diagrams and complete information on all of the AMCI transducers that are compatible with the unit. Note that the mechanical and environmental specifications of the H25-F1E are identical to the H25-FE. Any AMCI module or controller that is compatible with the H25-FE will work with the H25-F1E.

- 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, 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 sal*es@amci.com or techsupport@amci.com.*