

R11X-F10B/7 Specification Sheet

SHEET # 940-2T910

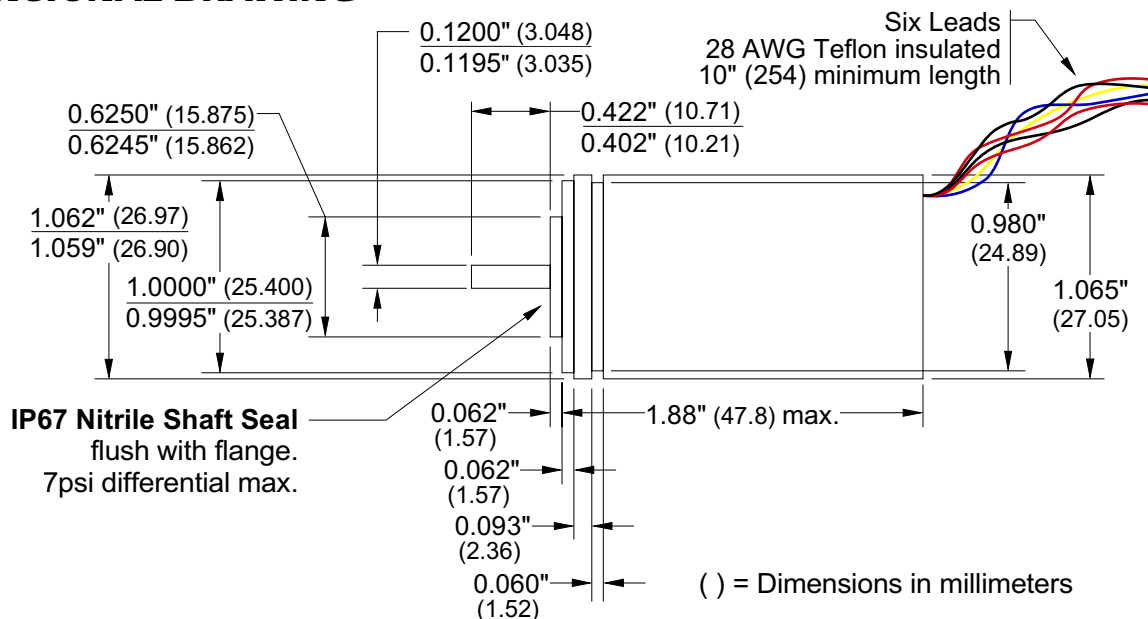
DESCRIPTION

IP67 Nitrile Shaft Seal

Designed for reliable operation in hostile environments, the R11X-F10B/7 can be used in a wide range of applications. The brushless resolver is unsurpassed by any other type of rotary position transducer in terms of reliability, but most size 11 resolvers are not environmentally sealed. Designed to be mounted in a sealed enclosure, the shaft of the R11X-F10B/7 has a nitrile shaft seal rated to IP67. The wire leads exiting the back of the resolver are not sealed, so the IP rating of the resolver when not mounted in an enclosure is IP40.

The resolver provides absolute position of the input shaft and being ratiometric, any changes in the resolver's characteristics, such as those caused by aging, frequency, voltage or a change in temperature are ignored. Due to the small shaft size a flexible coupler must be used when connecting the resolver to your machinery.

DIMENSIONAL DRAWING



SPECIFICATIONS

- Input Voltage: 12.0 V
- Input Freq: 2500 Hz
- Primary: Rotor
- Input Current: 17.0 mA Max.
- Output Voltage: 6.0 V Nom.
- Trans. Ratio: $0.50 \pm 7\%$
- Accuracy: 7 min. (max. error)
- Shaft Seal: Nitrile, 7 psi differential max.
- Starting Torque: 0.3 oz-in max.
- Operating Temp: -40°C to 120°C (-40°F to 248°F)
- IP Rating: IP67 Shaft seal. IP40 when not mounted in an enclosure.

SCHEMATIC

