

# Power-Supply Wiring for the D600 Sensor

## ⚠ CAUTION

**Improper installation of wiring could cause measurement error or sensor failure.**

- Shut off power before installing power-supply wiring.
- For personal and system safety, follow all instructions to ensure sensor will operate correctly.
- Match power-supply voltage with voltage indicated on the label inside the amplifier housing.

## ⚠ CAUTION

**Failure to seal amplifier housing could cause a short circuit, which would result in measurement error or flowmeter failure.**

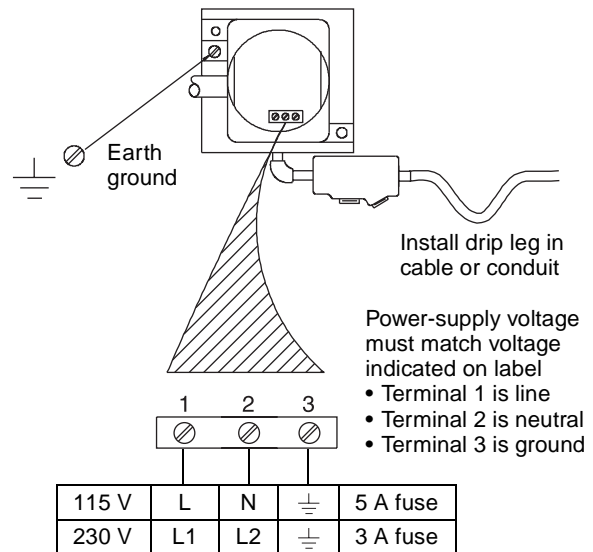
To avoid risk of condensation or excessive moisture entering the amplifier housing:

- Seal all conduit openings.
- Install drip legs in cable or conduit.
- Fully tighten amplifier housing cover.

- Micro Motion D600 sensors comply with EMC directive 89/336/EEC and low-voltage directive 73/23/EEC, when properly installed in accordance with these instructions.
- Terminal 1 is line, terminal 2 is neutral, and terminal 3 is ground. See **Figure 1**.
- Ground the sensor with a maximum impedance of 1 ohm. Connect and bond a user-supplied ground wire to the earth ground connection on the amplifier housing. See **Figure 1**.

- A switch may be installed in the power-supply line. For compliance with low-voltage directive 73/23/EEC, a switch is required.
- Do not install power-supply wiring in the same cable tray or conduit as flowmeter cable.
- If conduit is used, connect a ½-inch NPT male conduit connector to the conduit opening in the seal for power-supply wiring. See **Figure 1**.
- If conduit is not used, connect a ½-inch NPT male cable gland to the conduit opening in the seal for power-supply wiring. See **Figure 1**.
- **To install flowmeter cable**, see the cable preparation instructions that are shipped with the cable preparation kit.

**Figure 1. D600 power-supply terminals**



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