

DESCRIPTION

PRODUCT COVERED:

USL, CNL Shaft Speed Sensor Model FB420 for use in Class I, Groups C and D; Class II, Groups E, F, and G Hazardous Locations.

GENERAL:

The Model FB420 is a shaft speed sensor that provides a 4-20mA signal that is directly proportional to the rotational speed of a monitored shaft. **A relay switch set to operate on this signal is also provided.** The device is permanently mounted and connected to a power supply source.

RATINGS:

Electrical -

Power Input: 24 Vdc, 55 mA
Analog Output: 4 - 20 mA
Switch Output: 250 Vac, 5A; 30 Vdc, 5A

Environmental -

Ambient: -40°C to 65°C

* Operating Temperature Code: T6

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE)

USL indicates investigation to the following standards:
UL 1203, Explosion-Proof and Dust Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations, 4th Ed.

CNL indicates investigation to the following standards:
CSA 22.2 No. 30-M1986, Explosion-Proof Enclosures for Use in Class I Hazardous Locations, and CSA 22.2 No. 25-M1966, Enclosures for Use in Class II, Groups E, F, and G Hazardous Locations.

MARKINGS:

The following elements should be provided on a metal name plate or plates mechanically attached, or shall be embossed, stamped, or cast into the product:

1. Listee's name and/or registered trademark.
2. Catalog designation of device.
3. Electrical Ratings