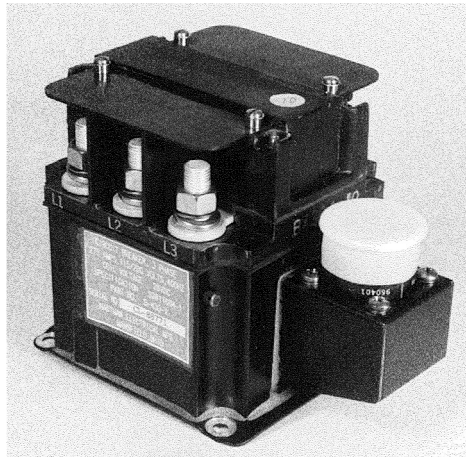


## B-430 Series, Rated up to 275 Amps, 115/200 VAC, 400 Hz

### Product Facts

- 3PST, Double break, magnetic latching
- Gasket sealed
- Auxiliary contacts available
- Meets many requirements of MIL-PRF-6106



### Performance Data

#### Electrical Characteristics

**Contact Arrangement** — 3PST, Double Break, Magnetic Latching

**Rated Operating Voltage** — 115/200 VAC, 400 Hz, 3 phase

**Resistive Rating** — 275 Amps

**Interrupt Rating** — 2,000 Amps

#### General Characteristics

**Temperature Range** —

-55°C to +85°C

**Operating Cycles (Life) at Rated**

**Resistive Load, Min.** —

50,000 cycles

**Operating Cycles (Life)**

**Mechanical, Min.** — 100,000 cycles

**Dielectric Strength** —

All Circuits to Ground — 1,500 Vrms

Circuit to Circuit — 1,500 Vrms

Coil to Ground and Aux. Contacts — 1,000 Vrms

**Insulation Resistance, Initial** —

100 megohm min.

**Altitude** — 45,000 ft.

**Weight, Max.** — 4.0 lbs

#### Coil Characteristics

**Duty Cycle** —

B-430-1 — Continuous, self-deenergizing (Type A, See diagram below)

B-430Z — Continuous, self-deenergizing with suppression (Type B, See diagram below)

**Operating Voltage Close, @ 85°C** —

Min. — 15 Vdc

Max. — B-430-1 — 28 Vdc

B-430Z — 29 Vdc

**Operating Voltage Trip, @ 85°C** —

Min. — 15 Vdc

Max. — B-430-1 — 28 Vdc

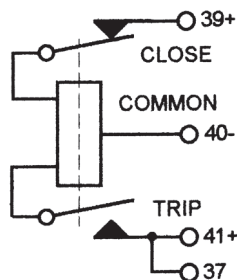
B-430Z — 29 Vdc

**Coil Current Closing, Max.** —

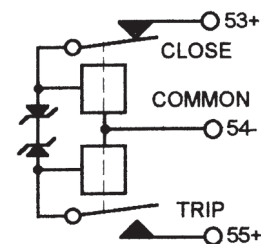
6 Amps

**Coil Current Trip, Max.** — 6 Amps

### Coil Type



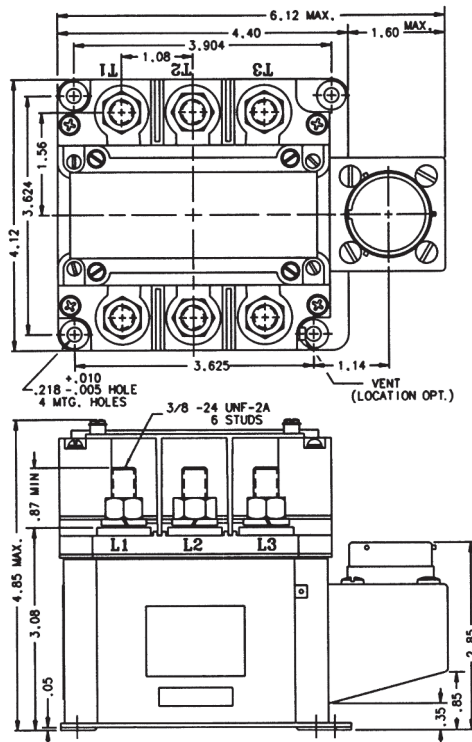
A — Continuous, Self-Deenergizing



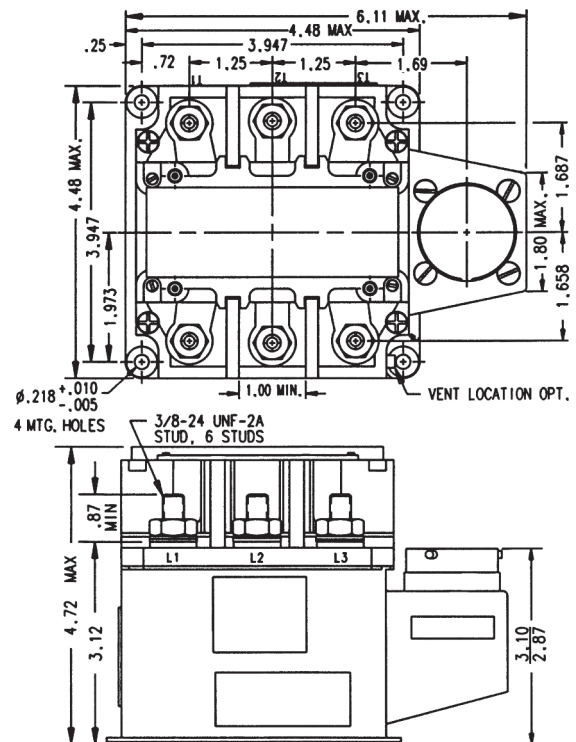
B — Continuous, Self-Deenergizing with Suppression

For factory-direct application assistance, phone 419-521-9500 or fax 419-526-2749.

### B-430 Series, Rated up to 275 Amps, 115/200 VAC, 400 Hz (Continued)

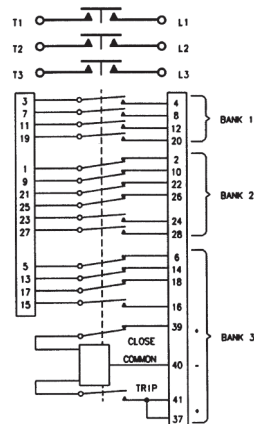


### Mounting Style A

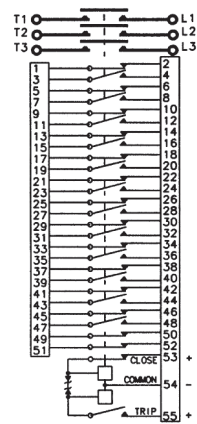


### Mounting Style B

**Circuit Configurations** (Consult factory for other available circuit configurations)



### Circuit Configuration 1



### Circuit Configuration 2

| HARTMAN<br>Part Number | Construction<br>Type | Mounting<br>Style | Coil<br>Type | Circuit<br>Config. | TE<br>Part Number |
|------------------------|----------------------|-------------------|--------------|--------------------|-------------------|
| B-430-1                | Gasket/Vented        | A                 | A            | 1                  | 1616023-1         |
| B-430Z                 | Gasket/Vented        | B                 | B            | 2                  | 1616023-2         |

For factory-direct application assistance, phone 419-521-9500 or fax 419-526-2749.