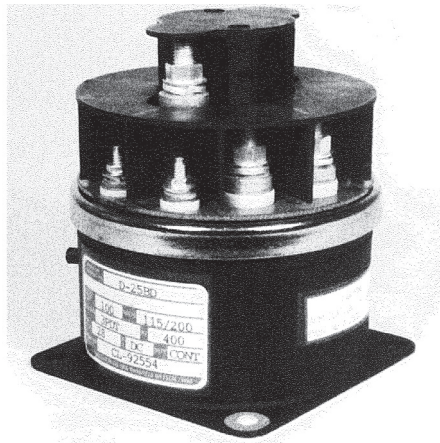


D25, DH25 and DHR25 Series, Rated up to 100 Amps, 115/200 VAC, 400 Hz

Product Facts

- 3PDT NO
- Gasket sealed or Hermetically sealed
- Auxiliary contacts available
- Meets many requirements of MIL-PRF-6106



Performance Data

Electrical Characteristics

Contact Arrangement — 3PDT NO

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

Resistive Rating — 100 Amps

Inductive Rating — 100 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 — D-25 — 50,000 ft.
DH-25, DHR-25 — 80,000 ft.

Weight, Max. — 2.20 to 2.75 lbs

Sinusoidal Vibration — 10 G @ 70 to 2,000 Hz

Shock, Max. — 25 G

Operate Time @ Nom. Voltage, Max. — 35 msec

Release Time @ Nom. Voltage, Max. — 35 msec

Bounce Time @ Nom. Voltage, Max. — 5 msec

Coil Characteristics

Duty Cycle — VAC 400 Hz — AC (Type A, See diagram below)
Vdc — Continuous (Type B, See diagram below)
Vdc — Continuous with suppression (Type C, See diagram below)

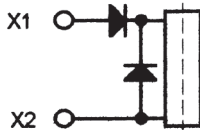
Operating Voltage, Nom. — VAC 400 Hz — 115 VAC
Vdc — 28 Vdc

Pickup Voltage @ 25°C, Max. — VAC 400 Hz — 103.5 VAC
Vdc — 18 Vdc

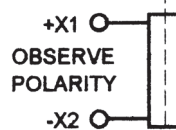
Dropout Voltage @ 25°C, Max. — VAC 400 Hz — 5 to 45 VAC
Vdc — 1.5 to 7 Vdc

Coil Resistance ±20% @ 25°C — VAC 400 Hz — N/A
Vdc — 175 Ohms

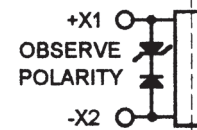
Coil Type



A — AC



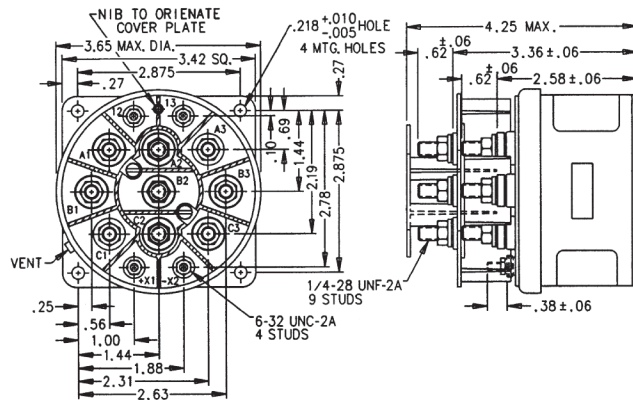
B — Continuous



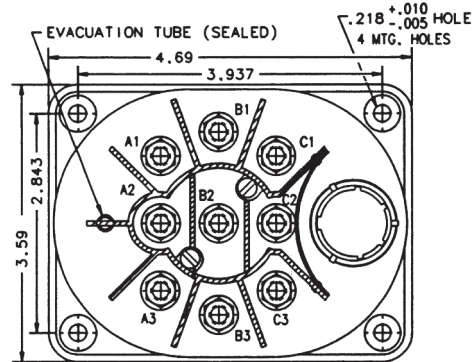
C — Continuous with Suppression

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

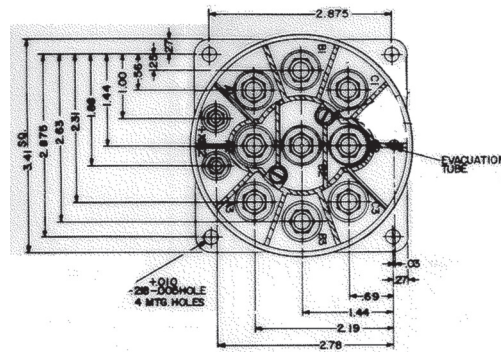
D25, DH25 and DHR25 Series, Rated up to 100 Amps, 115/200 VAC, 400 Hz (Continued)



Mounting Style A



Mounting Style B

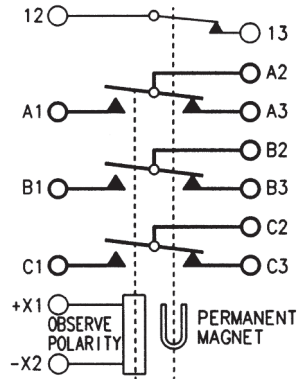


Mounting Style C

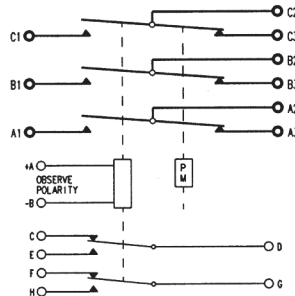
For factory-direct application assistance, phone 419-521-9500 or fax 419-526-2749.

D25, DH25 and DHR25 Series, Rated up to 100 Amps, 115/200 VAC, 400 Hz (Continued)

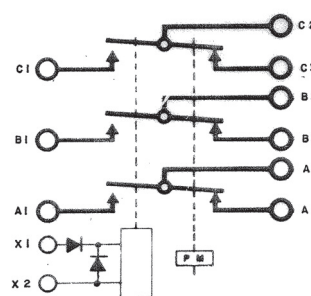
Circuit Configurations (Consult factory for other available circuit configurations)



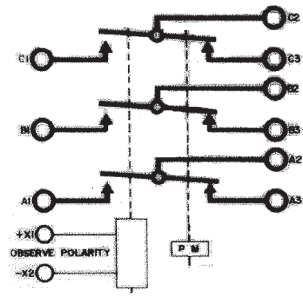
Circuit Configuration 1



Circuit Configuration 2



Circuit Configuration 3



Circuit Configuration 4

HARTMAN Part Number	Construction Type	Mounting Style	Coil Type	Circuit Config.	TE Part Number
D-25BD	Gasket/Vented	A	B	1	1616034-3
DH-25B	Hermetically Sealed	C	B	4	1616037-2
DH-25BA	Hermetically Sealed	B	B	2	1616037-3
DHR-25BG	Hermetically Sealed	A	A	3	1-1616037-5

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