

D-7, DH-7 and DH-18 Series, Rated up to 50 Amps, 28 Vdc

Product Facts

- 2 SPST, 1 NO, 1 NC
- DH-18 Series are center-off double-throw units
- Gasket Sealed or **Hermetically Sealed**
- Auxiliary contacts available
- Meets many requirements of MIL-R-6106



Performance Data

Electrical Characteristics

Contact Arrangement – 2 SPST, 1 NO, 1 NC, Electrically Latched

Rated Operating Voltage — 28 Vdc

Resistive Rating — 50 Amps **Inductive Rating** — 25 Amps

General Characteristics

Temperature Range — -55°C to +71°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

Altitude Max. — 50,000 ft. Weight — .72 to .94 lbs

Coil Characteristics

Duty Cycle -

Continuous (Type A, See diagram below) or Continuous with suppression (Type B, See diagram below) or Continuous (Type

Operating Voltage, Nom. —

Pickup Voltage @ 25°C, Max. —

Dropout Voltage @ 25°C, Max. — 1.5 to 7 Vdc

Coil Current @ 25°C, Max. — 0.28 Amp

Coil Type



A — Continuous

+X1 O **OBSERVE POLARITY** -X2 C

B — Continuous with Suppression

+Y1 O PERMANENT MAGNET RETURN

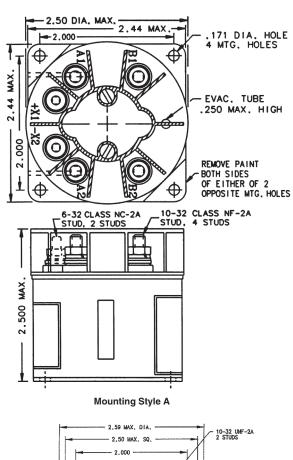
C — Continuous

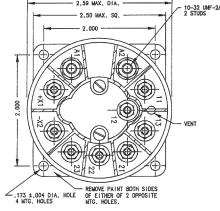
For factory-direct application assistance, phone 419-521-9500 or fax 419-526-2749.

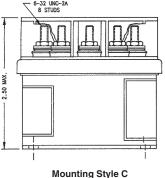
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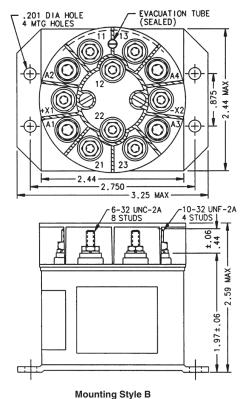
D-7, DH-7 and DH-18 Series, Rated up to 50 Amps, 28 Vdc (Continued)



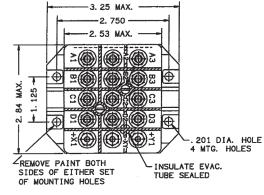


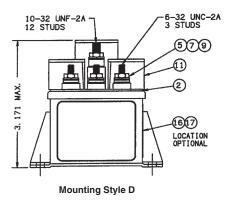


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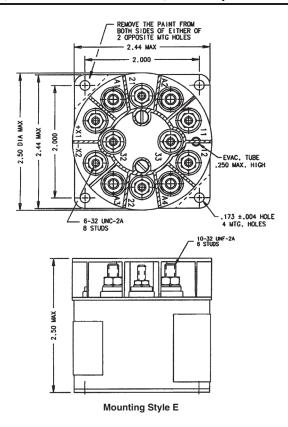
Mounting Style B







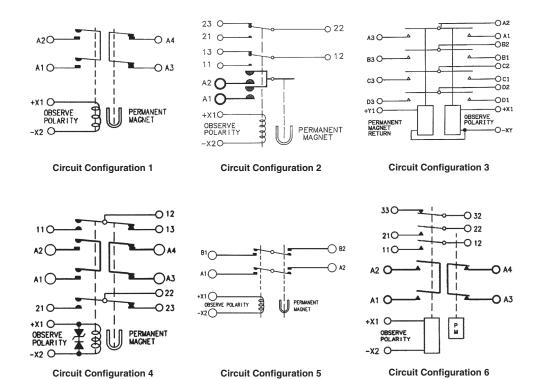
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Circuit Configurations (Consult factory for other available circuit configurations)



HARTMAN Part Number	Construction Type	Mounting Style	Coil Type	Circuit Config.	TE Part Number
D-7AC	Gasket Sealed	Α	Α	1	1616088-1
D-7LHB	Gasket Sealed	С	Α	2	1616064-1
DH-18DA*	Hermetically Sealed	D	С	3	1616050-2
DH-7ATK	Hermetically Sealed	В	В	4	1616089-7
DH-7MN	Hermetically Sealed	А	Α	5	1616103-2
DH-7TB	Hermetically Sealed	E	Α	6	1-1616089-3

*DH-18DA is a 4PDT center-off unit. Contacts will return to the center position when coil power is removed.

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For additional support numbers

please visit www.te.com