

DH-14 and DH-21 Series, Rated up to 25 Amps, 28 Vdc

Product Facts

- SPDT, 1 NO, 1 NC, Double Break
- Hermetically Sealed
- DH21 Series has magnetically latched contacts
- Meets many requirements of MIL-PRF-6106



Performance Data

Electrical Characteristics

Contact Arrangement — SPDT, 1 NO, 1 NC, Double Break

Rated Operating Voltage — 28 Vdc

Resistive Rating — 25 Amps

Inductive Rating — 25 Amps

Motor Rating — 15 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 — 1,250 Vrms
Circuit to Circuit — 1,250 Vrms
Coil to Ground and Aux. Contacts — 1,000 Vrms

Altitude Max. — 80,000 ft.

Weight — .39 lbs

Coil Characteristics

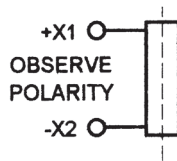
Duty Cycle — Continuous (Type A, See diagram below), Continuous with suppression (Type B, See diagram below) or Intermittent (Type C)

Operating Voltage, Nom. — 28 Vdc

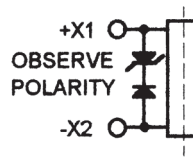
Pickup Voltage @ 25°C, Max. — 18 Vdc

Dropout Voltage @ 25°C, Max. — 1.0 to 7 Vdc

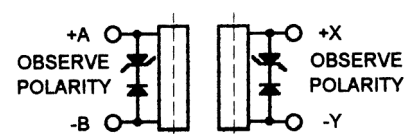
Coil Type



A — Continuous



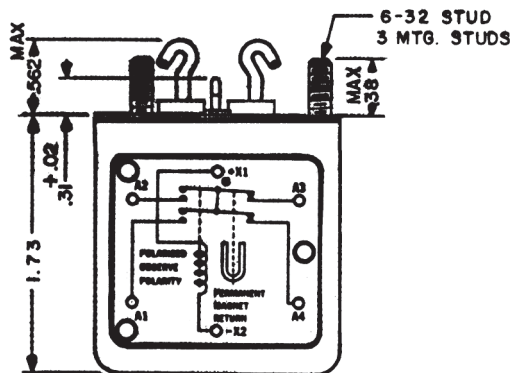
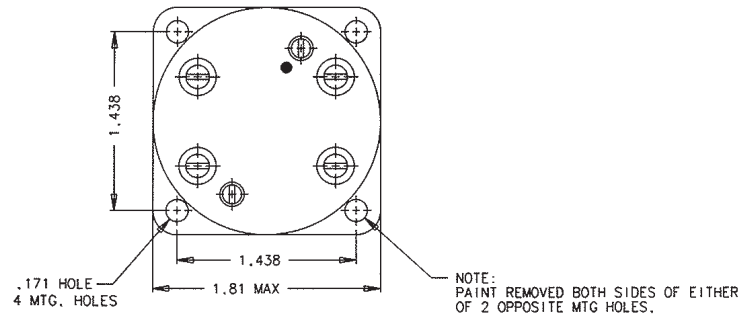
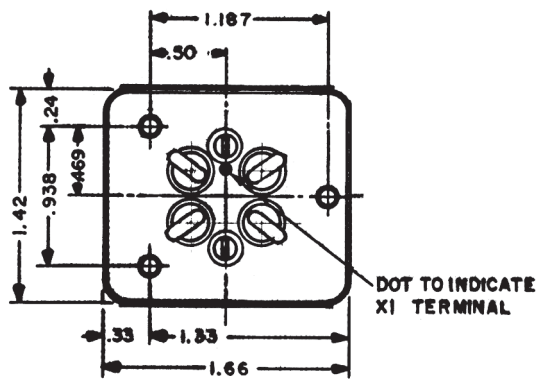
B — Continuous with Suppression



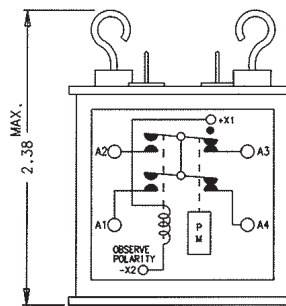
C — Intermittent

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

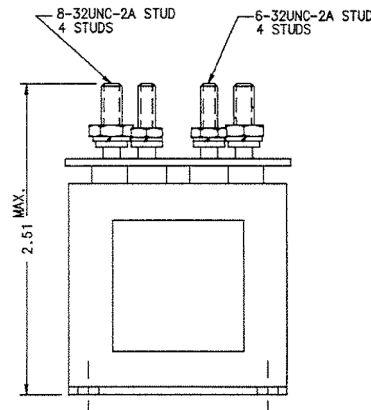
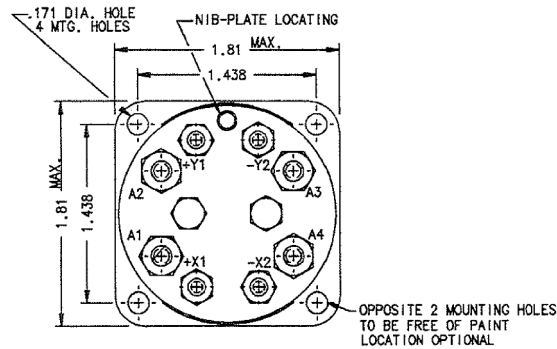
DH-14 and DH-21 Series, Rated up to 25 Amps, 28 Vdc (Continued)



Mounting Style A



Mounting Style B

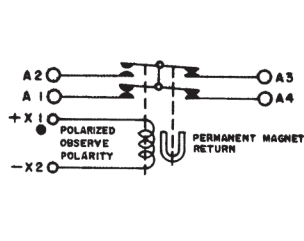


Mounting Style C

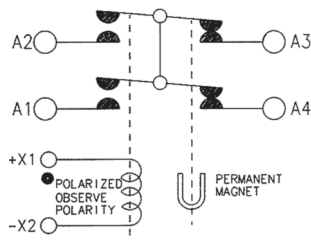
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DH-14 and DH-21 Series, Rated up to 25 Amps, 28 Vdc (Continued)

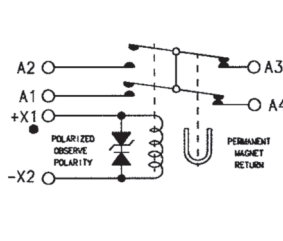
Circuit Configurations (Consult factory for other available circuit configurations)



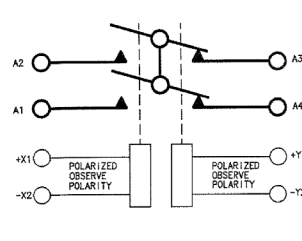
Circuit Configuration 1



Circuit Configuration 2



Circuit Configuration 3



Circuit Configuration 4

HARTMAN Part Number	Construction Type	Mounting Style	Coil Type	Circuit Config.	TE Part Number
DH-14A	Hermetically Sealed	A	A	1	1616089-1
DH-14AL	Hermetically Sealed	B	A	2	1616089-2
DH-14AT	Hermetically Sealed	A	B	3	1616089-3
DH-21N*	Hermetically Sealed	C	C	4	1616026-2

*DH21N is a magnetically latched unit. Contacts will remain in position until the opposing coil is pulsed.

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Catalog 5-1773450-5
Revised 3-13

www.te.com

Dimensions are shown for reference purposes only. Specifications subject to change.

Dimensions are in millimeters unless otherwise specified.

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For additional support numbers please visit www.te.com