

DH-14 and DHR-14 Series Contactors, Rated up to 25 Amps, 115/200 VAC, 400 Hz

Product Facts

- 3PDT
- Hermetically sealed
- Auxiliary contacts available
- Meets many requirements of MIL-PRF-6106



Performance Data

Electrical Characteristics Contact Arrangement — 3PDT Rated Operating Voltage — 115/200 VAC, 400 Hz Resistive Rating — 25 Amps Inductive Rating — 20 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 — 1,500 Vrms Circuit to Circuit — 1,500 Vrms Coil to Ground and Aux. Contacts — 1,000 Vrms Insulation Resistance, Initial —

100 megohm min. Altitude — 80,000 ft. Weight, Max. — .41 to .50 lbs

Duty Cycle —

VAC 400 Hz — AC Continuous (Type A, See diagram below) Vdc — Continuous or continuous with suppression (See diagram B & C below) **Operating Voltage, Nom.** —

VAC 400 Hz — 115 VAC Vdc — 28 Vdc

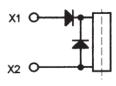
Pickup Voltage @ 25°C, Max. — VAC 400 Hz — 95 VAC Vdc — 18 Vdc

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

Coil Resistance ±20% @ 25°C — VAC 400 Hz — N/A Vdc — 290 Ohms

Coil Characteristics

Coil Type



A — AC Continuous

Dimensions are shown for

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

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Catalog 5-1773450-5 Revised 3-13

3 reference purposes only. Specifications subject to change. Dimensions are in millimeters unless otherwise specified.

+X1 O

-X2 C

B — Continuous

OBSERVE

POLARITY

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+X1 C OBSERVE

POLARITY

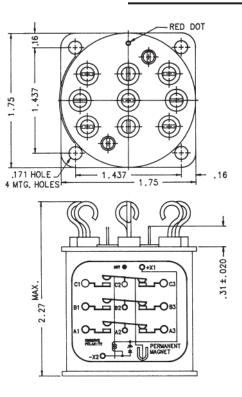
-X2

C — Continuous with Suppression

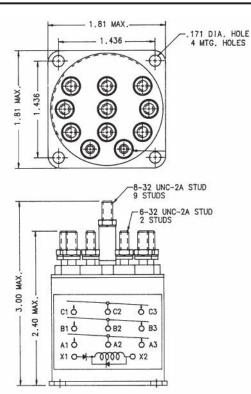
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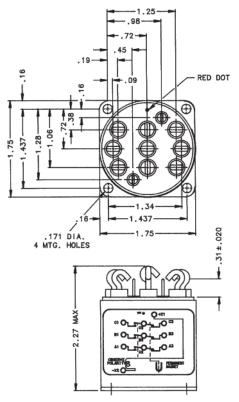
DH-14 and DHR-14 Series Contactors, Rated up to 25 Amps, 115/200 VAC, 400 Hz (Continued)



Mounting Style A



Mounting Style B



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Mounting Style C

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HARTMAN Power Switching AC Contactors

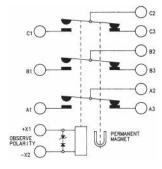
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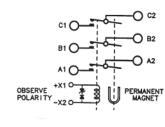
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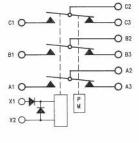


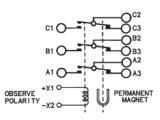
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Circuit Configurations (Consult factory for other available circuit configurations)









Circuit Configuration 1

Circuit Configuration 2

Circuit Configuration 3

Circuit Configuration 4

HARTMAN Part Number	Construction Type	Mounting Style	Coil Type	Circuit Config.	TE Connectivity Part Number
DH-14B	Hermetically Sealed	С	В	4	1-1616522-4
DH-14B-3	Hermetically Sealed	А	С	1	1616037-1
DH-14CE	Hermetically Sealed	A	С	2	1616017-1
DHR-14B	Hermetically Sealed	A	А	3	1-1616037-2
DHR-14BA	Hermetically Sealed	В	A	3	1-1616037-3

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