

#### D-31, DH-31, and DHL-31 Series, Rated up to 120 Amps, 115/200 VAC, 400 Hz See Part Number Listing on Last Page

### **Product Facts**

- 3PDT, Center off
- Gasket sealed or Hermetically sealed
- Auxiliary contacts available
- Meets many requirements of MIL-PRF-6106



### **Performance Data**

**Electrical Characteristics** Contact Arrangement — 3PDT, Center Off Rated Operating Voltage — 115/200 VAC, 400 Hz, 3 phase Resistive Rating — 120 Amps

Inductive Rating — 120 Amps Motor Rating — 80 Amps Rupture Rating — 1,000 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 –

D-31 — 50,000 ft DH-31, DHL-31 - 70,000 ft Weight - 2.60 lbs

# **Coil Characteristics**

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

### Operating Voltage, Nom. - 28 Vdc Pickup Voltage @ 25°C, Max. —

Coil Type A and C — 18 Vdc Coil Type B — 15 Vdc

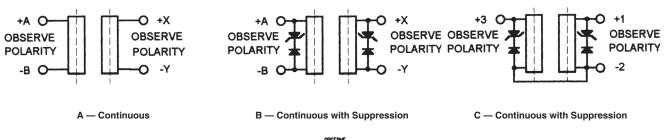
Dropout Voltage @ 25°C, Max. — Coil Type A and C — 1.5 to 7 Vdc Coil Type B — 2 to 7 Vdc

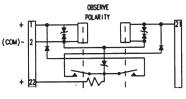
### Coil Resistance ±20% @ 25°C —

Coil Type A — N/A Coil Type B — 100 Ohms Coil Type C — 132 Ohms Coil Current @ 25°C, Max. —

.350 Amp

**Coil Type** 





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

D — Latching

For additional support numbers please visit www.te.com

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HARTMAN Power Switching Contactors

Catalog 5-1773450-5 Revised 3-13

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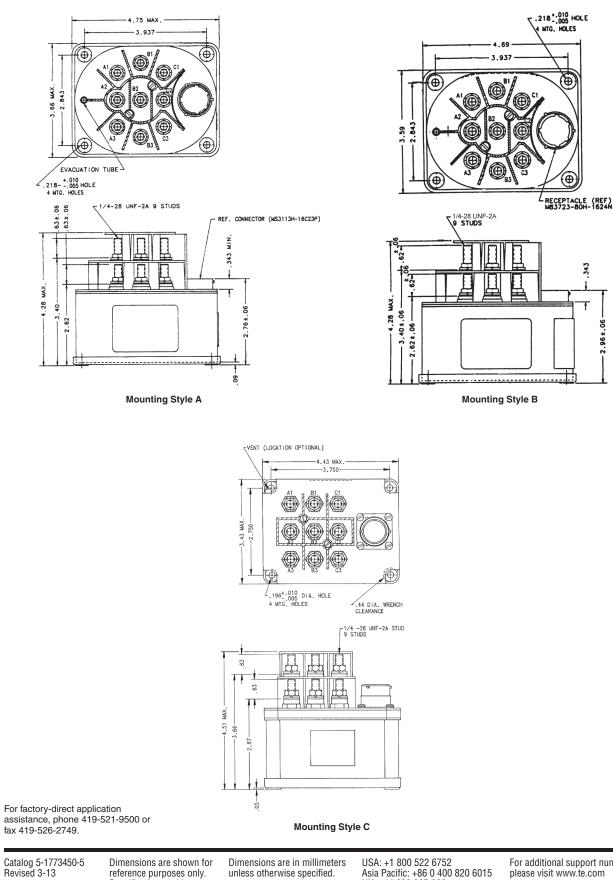
Dimensions are shown for reference purposes only. Specifications subject to change.

Dimensions are in millimeters unless otherwise specified.

USA: +1 800 522 6752 Asia Pacific: +86 0 400 820 6015 UK: +44 800 267 666



# D-31, DH-31, and DHL-31 Series, Rated up to 120 Amps, 115/200 VAC, 400 Hz (Continued)



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reference purposes only. Specifications subject to change.

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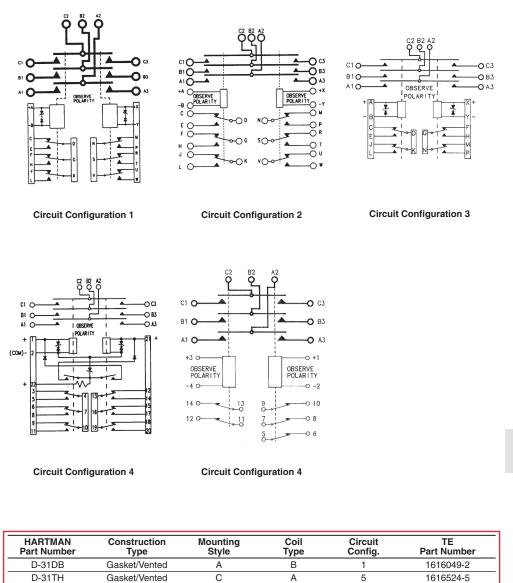
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Circuit Configurations (Consult factory for other available circuit configurations)



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Power Switching Contactors
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SJC

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Catalog 5-1773450-5 Revised 3-13

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

DH-31A

DH-31DA

DH-31DAA

DHL-31B

Dimensions are in millimeters unless otherwise specified.

Hermetically Sealed

Hermetically Sealed

Hermetically Sealed

Hermetically Sealed

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В

USA: +1 800 522 6752 Asia Pacific: +86 0 400 820 6015 UK: +44 800 267 666

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1616050-4

1616050-5

1616050-6

1616050-8