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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

B — Continuous

C — Continuous with Suppression

For factory-direct application assistance, phone 419-521-9500 or fax 419-526-2749.
DH-14 and DHR-14 Series Contactors, Rated up to 25 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.

Catalog 5-1773450-5 Dimensions are shown for reference purposes only. Specifications subject to change.
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Dimensions are in millimeters unless otherwise specified.

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

For additional support numbers please visit www.te.com
DH-14 and DHR-14 Series Contactors, Rated up to 25 Amps, 115/200 VAC, 400 Hz (Continued)

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HARTMAN Power Switching AC Contactors

DHR-18 Series, Rated up to 30 Amps, 115 VAC, 400 Hz

Product Facts
- 3PDT, Center off
- Hermetically sealed

Performance Data

Electrical Characteristics
Contact Arrangement — 3PDT, Center Off
Rated Operating Voltage — 115 VAC, 400 Hz
Resistive Rating — 30 Amps
Inductive Rating — 20 Amps

General Characteristics
Operating Temperature — 71°C
Weight, Max. — 14 oz.

Coil Characteristics
Duty Cycle — Continuous
Coil Rating — 115 VAC, 400 Hz
Pickup Voltage, Max. — 90 Vdc, Hot
Dropout Voltage — 45 ± 20 Vdc
Current at 115 Vdc & 25°C — 0.28 Amp max.

Circuit Configurations (Consult factory for other available circuit configurations)

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For factory-direct application assistance, phone 419-521-9500 or fax 419-526-2749.
HARTMAN Power Switching AC Contactors

D7, DH7, DHR7, DR7 Series, Rated up to 50 Amps, 115/200 VAC, 400 Hz

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

Performance Data

Electrical Characteristics
- Contact Arrangement — 3PDT and 3PST NO
- Rated Operating Voltage — 115/200 VAC, 400 Hz, 3 phase
- Resistive Rating — 50 Amps
- Inductive Rating — 50 Amps
- Motor Rating — 30 Amps
- Lamp 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 — D7, DR7 — 50,000 ft
  DH7, DHR7 — 80,000 ft
- Weight, Max. — .94 to 1.20 lbs

Coil Characteristics
- Duty Cycle — VAC 400 Hz — AC Continuous (Type A & E, See diagram below)
  Vdc — Continuous (Type B, See diagram below)
  Vdc — Continuous with suppression (Type C & D, See diagram below)
  Vdc — Continuous with suppression (Type C & D, See diagram below)
- Operating Voltage, Nom. — VAC 400 Hz — 115 VAC
  Vdc — 28 Vdc
- Pickup Voltage @ 25°C, Max. — VAC 400 Hz — 75 VAC
  Vdc — 18 Vdc
- Dropout Voltage @ 25°C, Max. — VAC 400 Hz — 12 to 36 VAC
  Vdc — 1 to 7 Vdc
- Coil Resistance ±20% @ 25°C — VAC 400 Hz — 505 Ohms
  Vdc — 128 Ohms
- Coil Current @ 25°C, Max. — VAC 400 Hz — .065 Amp
  Vdc — .28 Amp

Coil Type

A — AC Continuous

B — Continuous

C — Continuous with Suppression

D — Continuous with Suppression

E — AC Continuous

For factory-direct application assistance, phone 419-521-9500 or fax 419-526-2749.
HARTMAN Power Switching AC Contactors

D7, DH7, DHR7, DR7 Series, Rated up to 50 Amps, 115/200 VAC, 400 Hz (Continued)

Mounting Style A

Mounting Style B

Mounting Style C

Mounting Style D

For factory-direct application assistance, phone 419-521-9500 or fax 419-526-2749.
HARTMAN Power Switching AC Contactors

D7, DH7, DHR7, DR7 Series, Rated up to 50 Amps, 115/200 VAC, 400 Hz (Continued)

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HARTMAN Power Switching AC Contactors

D7, DH7, DHR7, DR7 Series, Rated up to 50 Amps, 115/200 VAC, 400 Hz (Continued)

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

Catalog 5-1773450-5 Dimensions are shown for reference purposes only. Specifications subject to change.

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Mounting Style I

Mounting Style J

Mounting Style K

Mounting Style L
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UK: +44 800 267 666

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Catalog 5-1773450-5
Revised 3-13

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D18, DH18 and DHR18 Series, Rated up to 50 Amps, 115/200 VAC, 400 Hz

Product Facts
- 3PDT, Center off
- Gasket sealed or Hermetically sealed
- Meets many requirements of MIL-PRF-6106

Performance Data

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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:
  - D-18: 50,000 ft.
  - DH-18, DHR-18: 80,000 ft.
- Weight, Max.: .94 to 1.50 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.: 15 msec
- Bounce Time @ Nom. Voltage, Max.: 5 msec

Coil Characteristics

- Duty Cycle:
  - AC Continuous (Type E, See diagram below)
  - DC Continuous (Type A-D, See diagram below)
- Operating Voltage, Nom.: 28 Vdc
- Pickup Voltage @ 25°C, Max.:
  - Coil Type A: 18 Vdc
  - Coil Type B: 15 Vdc
- Dropout Voltage @ 25°C, Max.:
  - Coil Type A: 1.5 to 7 Vdc
  - Coil Type B: 2.5 to 6.5 Vdc
- Coil Resistance ±20% @ 25°C: 175 Ohms
- Coil Current @ 25°C, Max.: 0.175 Amp

Coil Type

- A — DC Continuous
- B — DC Continuous
- C — DC Continuous with Suppression
- D — DC Continuous - Economical w/Suppression
- E — AC Continuous
D18, DH18 and DHR18 Series Contactors, Rated up to 50 Amps, 115/200 VAC, 400 Hz (Continued)

Mounting Style A

Mounting Style B

Mounting Style C

Mounting Style D
HARTMAN Power Switching AC Contactors

D18, DH18 and DHR18 Series Contactors, Rated up to 50 Amps, 115/200 VAC, 400 Hz (Continued)

Circuit Configurations (Consult factory for other available circuit configurations)

<table>
<thead>
<tr>
<th>Circuit Configuration 1</th>
<th>Circuit Configuration 2</th>
<th>Circuit Configuration 3</th>
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<th>Construction Type</th>
<th>Mounting Style</th>
<th>Coil Type</th>
<th>Circuit Config.</th>
<th>TE Part Number</th>
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<td>D-18A</td>
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USA: +1 800 522 6752
Asia Pacific: +86 0 400 820 6015
UK: +44 800 267 666
For additional support numbers please visit www.te.com
HARTMAN Power Switching AC Contactors

BH-316 Series, Rated up to 50 Amps, 115/200 VAC, 400 Hz or 28 Vdc

Product Facts
- 3PST NO, Double break
- Hermetically sealed
- Auxiliary contacts available
- Meets many requirements of MIL-PRF-6106

Performance Data

**Electrical Characteristics**

Contact Arrangement — 3PST NO, Double Break

Rated Operating Voltage — 28 Vdc or 115/200 VAC, 400 Hz, 3 phase

Resistive Rating — 50 Amps

Inductive Rating — 115/200 VAC, 400 Hz, 3 phase — 50 Amps

At 28 Vdc — 25 Amps

Motor Rating — 50 Amps

**General Characteristics**

Temperature Range — -55°C to +125°C

Operating Cycles (Life) at Rated Resistive Load, Min. — 100,000 cycles

Operating Cycles (Life) Mechanical, Min. — 200,000 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.

Weight, Max. — 1.20 lbs

Impact Shock — 5 G

Close Time @ 28 Vdc and 25°C, Max. — 25 msec

Release Time @ 28 Vdc and 25°C, Max. — 10 msec

**Coil Characteristics**

Duty Cycle — Continuous

Operating Voltage, Nom. — 28 Vdc

Pickup Voltage, Max. — 18 Vdc

Dropout Voltage — 1.5 to 7 Vdc

Coil Current, Holding, Max. — 0.5 Amp

Coil Type

A — Continuous

B — Continuous w/Suppression
BH-316 Series, Rated up to 50 Amps, 115/200 VAC, 400 Hz or 28 Vdc (Continued)
BH-316 Series, Rated up to 50 Amps, 115/200 VAC, 400 Hz or 28 Vdc (Continued)

Circuit Configurations (Consult factory for other available circuit configurations)

<table>
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<tr>
<th>HARTMAN Part Number</th>
<th>Construction Type</th>
<th>Mounting Style</th>
<th>Coil Type</th>
<th>Circuit Config.</th>
<th>TE Part Number</th>
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</table>

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HARTMAN Power Switching AC Contactors

B-138 Series, Rated up to 60 Amps, 115/200 VAC, 400 Hz

Product Facts
- TPST NO and TPDT NC
- Gasket sealed or Hermetically sealed
- 115/200 VAC, 400 Hz, 3 phase
- Auxiliary contacts available
- Meets the requirements of MIL-PRF-6106

Performance Data

Electrical Characteristics
Contact Arrangement — TPST NO and TPDT NC
Rated Operating Voltage — 115/200 VAC, 400 Hz, 3 phase
Current, Resistive — 60 Amps
Current, Inductive — 60 Amps
Current, Motor — 60 Amps
Current, Rupture — 600 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, Nominal — 1.50 to 2.0 lbs

Coil Characteristics
Duty Cycle — Continuous or continuous with suppression
Operating Voltage, Nom. — 28 Vdc
Pickup Voltage, Max. @ 85°C — 18 Vdc
Dropout Voltage, Max. — 1.5 to 7 Vdc
Coil Current @ 29 Vdc Max. @ 25°C — 0.5 Amps
Inrush — 5 Amps

Coil Type

A — Continuous
B — Continuous with Suppression
C — Continuous with Suppression
### B-138 Series, Rated up to 60 Amps, 115/200 VAC, 400 Hz (Continued)

![Circuit Configurations](image)

#### Circuit Configurations

<table>
<thead>
<tr>
<th>Circuit Configuration</th>
<th>(Consult factory for other available circuit configurations)</th>
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</thead>
<tbody>
<tr>
<td><img src="image" alt="Circuit Configuration 1" /></td>
<td><img src="image" alt="Circuit Configuration 2" /></td>
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<td><img src="image" alt="Circuit Configuration 3" /></td>
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<td>Construction Type</td>
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<td>B-138XEH</td>
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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.

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Asia Pacific: +86 0 400 820 6015
UK: +44 800 267 666

For additional support numbers please visit www.te.com
B-140 Series, Rated up to 60 Amps, 115/200 VAC, 400 Hz

Product Facts
- 3PDT NO, Center off
- Gasket sealed or Hermetically sealed
- 115/200 VAC, 400 Hz, 3 phase
- Auxiliary contacts available
- Meets the requirements of MIL-PRF-6106

Performance Data

Electrical Characteristics
Contact Arrangement — 3PDT NO, Center Off
Rated Operating Voltage — 115/200 VAC, 400 Hz, 3 phase
Current, Resistive — 60 Amps
Current, Inductive — 60 Amps
Current, Motor — 60 Amps
Current, Rupture — 600 Amps

General Characteristics
Temperature Range — -55°C to +120°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
Circuit to Ground and Aux. Contacts — 1,000 Vrms
Insulation Resistance, Initial — 100 MΩ min.
Altitude Max. — 50,000 ft.
Weight, Nominal — 1.50 to 2.31 lbs
Sinusoidal Vibration — 10 G @ 70 to 2,000 Hz
Shock, Max. — 15 G

Coil Characteristics
Duty Cycle — Continuous
Operating Voltage, Nom. — 28 Vdc
Pickup Voltage, Max. @ 85°C — 18 Vdc
Dropout Voltage, Max. — 1.5 to 7 Vdc
Coil Current @ 29 Vdc Max. @ 25°C — 0.35 Amps
Inrush — 5 Amps

Coil Type

A — Continuous
B — Continuous
C — Continuous w/Suppression

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

Catalog 5-1773450-5
Revised 3-13

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HARTMAN Power Switching AC Contactors

B-140 Series, Rated up to 60 Amps, 115/200 VAC, 400 Hz (Continued)

Circuit Configurations (Consult factory for other available circuit configurations)

<table>
<thead>
<tr>
<th>HARTMAN Part Number</th>
<th>Construction Type</th>
<th>Mounting Style</th>
<th>Coil Type</th>
<th>Circuit Config.</th>
<th>TE Part Number</th>
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<td>B-140V</td>
<td>Gasket/Vented</td>
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<td>1-1616043-0</td>
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</table>

For factory-direct application assistance, phone 419-521-9500 or fax 419-526-2749.
HARTMAN Power Switching AC Contactors

DH-7 Series, Rated up to 60 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, 3 phase
Resistive Rating — 60 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 — 80,000 ft
Weight, Max. — .91 lbs

Coil Characteristics
Duty Cycle — Continuous
Operating Voltage, Nom. — 28 Vdc
Pickup Voltage @ 25°C, Max. — 18 Vdc
Dropout Voltage @ 25°C, Max. — 1.5 to 7 Vdc
Coil Resistance ±20% @ 25°C — 126 Ohms
Coil Current @ 25°C, Max. — .28 Amp

Circuit Configurations (Consult factory for other available circuit configurations)

<table>
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<tr>
<th>HARTMAN Part Number</th>
<th>Construction Type</th>
<th>Mounting Style</th>
<th>Coil Type</th>
<th>Circuit Config.</th>
<th>TE Part Number</th>
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Catalog 5-1773450-5
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Asia Pacific: +86 0 400 820 6015
UK: +44 800 267 666
For additional support numbers please visit www.te.com
HARTMAN Power Switching AC Contactors

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 — 4.5 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

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Catalog 5-1773450-5
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www.te.com
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
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)

<table>
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<tr>
<th>HARTMAN Part Number</th>
<th>Construction Type</th>
<th>Mounting Style</th>
<th>Coil Type</th>
<th>Circuit Config.</th>
<th>TE Part Number</th>
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HARTMAN Power Switching AC Contactors

**D25 and DH25 Series, Rated up to 120 Amps, 115/200 VAC, 400 Hz**

### Product Facts
- 3PST NO
- Gasket sealed or Hermetically sealed
- Auxiliary contacts available
- Meets many requirements of MIL-PRF-6106

### Performance Data

#### Electrical Characteristics
- **Contact Arrangement**: 3PST NO
- **Rated Operating Voltage**: 115/200 VAC, 400 Hz, 3 phase
- **Resistive Rating**: 120 Amps
- **Inductive Rating**: 120 Amps
- **Motor Rating**: 100 Amps
- **Rupture Rating**: 1,000 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
- **Altitude**
  - D-25: 50,000 ft.
  - DH-25: 80,000 ft.
- **Weight, Max.**: 2.10 lbs

### Coil Characteristics
- **Duty Cycle**
  - **Vdc**
    - Continuous (Type A, See diagram below)
    - Continuous with suppression (Type B, See diagram below)
- **Operating Voltage, Nom.**: 28 Vdc
- **Pickup Voltage @ 25°C, Max.**: 18 Vdc
- **Dropout Voltage @ 25°C, Max.**: 1.5 to 7 Vdc
- **Coil Resistance ±20% @ 25°C**: 113 Ohms

### Coil Type

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

Catalog 5-1773450-5
Revised 3-13
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UK: +44 800 267 666

For additional support numbers please visit www.te.com
D25 and DH25 Series, Rated up to 120 Amps, 115/200 VAC, 400 Hz (Continued)

Circuit Configurations (Consult factory for other available circuit configurations)

<table>
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<tr>
<th>HARTMAN Part Number</th>
<th>Construction Type</th>
<th>Mounting Style</th>
<th>Coil Type</th>
<th>Circuit Config.</th>
<th>TE Part Number</th>
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</tbody>
</table>
HARTMAN Power Switching AC Contactors

D-31 Series, Rated up to 100 Amps, 115/200 VAC, 400 Hz

Product Facts
- 3PDT, Center off
- 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 — 100 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 — 50,000 ft
Weight, Max. — 2.31 lbs

Coil Characteristics

Duty Cycle — Continuous
Operating Voltage, Nom. — 28 Vdc
Pickup Voltage @ 71°C, Max. — 18 Vdc
Dropout Voltage, Max. — 1.5 to 7 Vdc
Coil Resistance ±20% @ 25°C — 160 Ohms

Circuit Configurations

(Consult factory for other available circuit configurations)

<table>
<thead>
<tr>
<th>HARTMAN Part Number</th>
<th>Construction Type</th>
<th>Mounting Style</th>
<th>Coil Type</th>
<th>Circuit Config.</th>
<th>TE Part Number</th>
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For additional support numbers please visit www.te.com
### Product Facts
- 3PDT, Center off
- Gasket sealed or Hermetically sealed
- Auxiliary contacts available
- Meets many requirements of MIL-PRF-6106

### Performance Data

**Electrical Characteristics**

<table>
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<tr>
<th>Contact Arrangement</th>
<th>3PDT, Center Off</th>
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<tbody>
<tr>
<td>Rated Operating Voltage</td>
<td>115/200 VAC, 400 Hz, 3 phase</td>
</tr>
<tr>
<td>Resistive Rating</td>
<td>120 Amps</td>
</tr>
<tr>
<td>Inductive Rating</td>
<td>120 Amps</td>
</tr>
<tr>
<td>Motor Rating</td>
<td>80 Amps</td>
</tr>
<tr>
<td>Rupture Rating</td>
<td>1,000 Amps</td>
</tr>
</tbody>
</table>

**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.:
  - A — Continuous: 0.350 Amp
  - B — Continuous with Suppression
  - C — Continuous with Suppression
  - D — Latching

---

**Coil Type**

A — Continuous

B — Continuous with Suppression

C — Continuous with Suppression

D — Latching

---

For factory-direct application assistance, phone 419-521-9500 or fax 419-526-2749.
D-31, DH-31, and DHL-31 Series, Rated up to 120 Amps, 115/200 VAC, 400 Hz (Continued)

Mounting Style A

Mounting Style B

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

Circuit Configurations (Consult factory for other available circuit configurations)

<table>
<thead>
<tr>
<th>HARTMAN Part Number</th>
<th>Construction Type</th>
<th>Mounting Style</th>
<th>Coil Type</th>
<th>Circuit Config.</th>
<th>TE Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-31DB</td>
<td>Gasket/Vented</td>
<td>A</td>
<td>B</td>
<td>1</td>
<td>1616049-2</td>
</tr>
<tr>
<td>D-31TH</td>
<td>Gasket/Vented</td>
<td>C</td>
<td>A</td>
<td>5</td>
<td>1616524-5</td>
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<tr>
<td>DH-31A</td>
<td>Hermetically Sealed</td>
<td>A</td>
<td>A</td>
<td>2</td>
<td>1616050-4</td>
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<tr>
<td>DH-31DA</td>
<td>Hermetically Sealed</td>
<td>A</td>
<td>B</td>
<td>3</td>
<td>1616050-5</td>
</tr>
<tr>
<td>DH-31DAA</td>
<td>Hermetically Sealed</td>
<td>A</td>
<td>A</td>
<td>3</td>
<td>1616050-6</td>
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<tr>
<td>DHL-31B</td>
<td>Hermetically Sealed</td>
<td>B</td>
<td>D</td>
<td>4</td>
<td>1616050-8</td>
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</tbody>
</table>

Catalog 5-1773450-5
Revised 3-13

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

Dimensions are shown for reference purposes only. Specifications subject to change.
D-25 Series, Rated up to 125 Amps, 115/200 VAC, 400 Hz

Product Facts
- 3PDT, Side stable
- Gasket sealed

Performance Data

Electrical Characteristics
Main Contacts
Contact Arrangement — 3PDT, Side Stable
Rated Operating Voltage — 115/200 VAC, 400 Hz
Resistive Rating — 125 Amps
Inductive Rating — 100 Amps
Motor Load — 60 Amps
Rupture Rating — 600 Amps
Overload Rating — 600 Amps
Auxiliary Contacts
Contact Arrangement — 2PDT
Voltage — 28 Vdc or 115 VAC, 400 Hz
Resistive Rating — 3 Amps

General Characteristics
Temperature Range — -55°F to +71°F
Altitude, Max. — 50,000 ft
Weight, Nominal — 2.75 lbs

Coil Characteristics
Duty Cycle — Continuous
Operating Voltage, Nom. — 28 Vdc
Pickup Voltage @ 25°C, Max. — 18 Vdc
Dropout Voltage @ 25°C — 2.5 to 7 Vdc
Coil Resistance @ 25°C — 113 Ohms ± 20%

Circuit Configurations (Consult factory for other available circuit configurations)
B309 Series, Rated up to 130 Amps, 115 VDC

Product Facts
- 3PST NO, Single break main contacts
- 2PDT Auxiliary contacts (note 1)
- Gasket sealed
- Meets many requirements of MIL-PRF-6106

Performance Data

Electrical Characteristics

Contact Arrangement — 3PST NO, Single Break
Rated Operating Voltage — 115 VDC
Resistive Current Rating — 130 Amps (see note 2)
Rupture Rating — 1300 Amps (see note 3)

General Characteristics

Temperature Range — -55°C to +85°C
Minimum Electrical Cycles — 50,000
Minimum Mechanical Cycles — 100,000 @ 32.5 A
Dielectric Strength — 1500 Vrms
Altitude — 50,000 ft
Weight, Max — 1.35 lbs
Duty Cycle — Continuous (Electronically Economized)
Coil Operating Voltage — 28 Vdc
Drop Out Voltage — 1.5 to 7 Vdc

Notes
1. Other aux contact configurations available. Consult Factory.
2. Units with current ratings to 175A are available. Consult Factory.
3. Units with rupture ratings to 1750 A are available. Consult Factory.

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

Dimensions are in millimeters unless otherwise specified.
HARTMANN Power Switching AC Contactors

B-451 Series, Rated up to 175 Amps, 115/200 VAC, 400 Hz

Product Facts
- 3PDT, Magnetic latching
- Gasket sealed
- Auxiliary contacts available
- Meets many requirements of MIL-PRF-6106

Performance Data

Electrical Characteristics
Contact Arrangement — 3PDT, Magnetic Latching
Rated Operating Voltage — 115/200 VAC, 400 Hz
Resistive Rating — 175 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 — 50,000 ft.
Weight, Max. — 2.44 lbs

Coil Characteristics
Duty Cycle — Continuous, self-deenergizing
Operating Voltage, Max. — 30 Vdc
Close Voltage @ 15 to 30 Vdc —
Resistance — 4.4 +10% Ohms
Current — 5 Amp Max.
Trip Voltage @ 15 to 30 Vdc —
Resistance — 5.0 +10% Ohms
Current — 5 Amp Max.

Circuit Configurations (Consult factory for other available circuit configurations)

<table>
<thead>
<tr>
<th>HARTMAN Part Number</th>
<th>Construction Type</th>
<th>Mounting Style</th>
<th>Coil Type</th>
<th>Circuit Config.</th>
<th>TE Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>B451</td>
<td>Gasket/Vented</td>
<td>A</td>
<td>Continuous, Self-Deenergizing</td>
<td>1</td>
<td>1616023-3</td>
</tr>
</tbody>
</table>
# B-312 Series, Rated up to 175 Amps, 253/440 VAC, 50-60 Hz

## Product Facts
- 3PST NO, Double break
- Gasket sealed
- 253/440 VAC, 50-60 Hz, 3 phase
- Auxiliary contacts available
- Meets many requirements of MIL-PRF-6106

## Performance Data

<table>
<thead>
<tr>
<th>Electrical Characteristics</th>
<th>General Characteristics</th>
<th>Coil Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact Arrangement — 3PST NO, Double Break</td>
<td>Temperature Range — -55°C to +71°C</td>
<td>Duty Cycle — Continuous, economizing</td>
</tr>
<tr>
<td>Rated Operating Voltage — 253/440 VAC, 50-60 Hz, 3 phase</td>
<td>Operating Cycles (Life) at Rated Resistive Load, Min. — 50,000 cycles</td>
<td>Operating Voltage, Nom. — 28 Vdc</td>
</tr>
<tr>
<td>Current, Resistive — 175 Amps</td>
<td>Current, Inductive — B312DB — 70 Amps</td>
<td>Pickup Voltage — 18 Vdc</td>
</tr>
<tr>
<td>Current, Motor — 150 Amps</td>
<td>Current, Rupture — 1,500 Amps</td>
<td>Dropout Voltage — B312DB — 1.5 to 7 Vdc</td>
</tr>
<tr>
<td>Current, Rupture — 1,500 Amps</td>
<td></td>
<td>B312CH — 1 to 7 Vdc</td>
</tr>
</tbody>
</table>

## 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
- Weight, Max. — 3.0 lbs

## Coil Characteristics
- Duty Cycle — Continuous, economizing
- Operating Voltage, Nom. — 28 Vdc
- Pickup Voltage — 18 Vdc
- Dropout Voltage — B312DB — 1.5 to 7 Vdc
- B312CH — 1 to 7 Vdc
## HARTMAN Power Switching AC Contactors

### B-312 Series, Rated up to 175 Amps, 253/440 VAC, 50-60 Hz (Continued)

![Diagram of B-312 Series AC Contactors](image)

### Circuit Configurations

(Consult factory for other available circuit configurations)

<table>
<thead>
<tr>
<th>Circuit Configuration 1</th>
</tr>
</thead>
</table>

### Specifications

<table>
<thead>
<tr>
<th>HARTMAN Part Number</th>
<th>Construction Type</th>
<th>Mounting Style</th>
<th>Coil Type</th>
<th>Circuit Config.</th>
<th>TE Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>B-312DB</td>
<td>Gasket/Vented</td>
<td>A</td>
<td>Continuous, Economizing</td>
<td>1</td>
<td>1616004-7</td>
</tr>
</tbody>
</table>

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

Dimensions are shown for reference purposes only. Specifications subject to change.
HARTMAN Power Switching AC Contactors

KA175 Series, Rated up to 175 Amps, 115 or 230 VAC, 400-800 Hz

Lightweight, High Performance

Product Facts
- 3PST NO, Side stable
- Gasket sealed
- Buss bar mount

Performance Data

Electrical Characteristics
Contact Arrangement — 3PST NO, Side Stable
Rated Operating Voltage — 115/230 VAC, 230/460 VAC
400-800 Hz
Resistive Rating — 175 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
Weight, Max. — 1.25 lbs

Circuit Configurations

(Consult factory for other available circuit configurations)

Coil Characteristics
Duty Cycle — Continuous, Economizing
Operating Voltage, Nom. — 28 Vdc
Pickup Voltage — 18 Vdc
Dropout Voltage — 1.0 to 7 Vdc

Mounting Style A

<table>
<thead>
<tr>
<th>HARTMAN Part Number</th>
<th>Construction Type</th>
<th>Mounting Style</th>
<th>Coil Type</th>
<th>Circuit Config.</th>
<th>TE Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>KA175B3C</td>
<td>Gasket/Vented</td>
<td>A</td>
<td>Continuous, Economizing</td>
<td>1</td>
<td>2-1616960-7</td>
</tr>
</tbody>
</table>

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

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

Catalog 5-1773450-5
Revised 3-13
www.te.com

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

For additional support numbers please visit www.te.com
HARTMAN Power Switching AC Contactors

SA136F Series, Rated up to 175 Amps, 240/416 VAC

Product Facts

- 3PST NO, Side stable
- Gasket/Vented sealed

Performance Data

Electrical Characteristics

Main Contacts
- Contact Arrangement: 3PST NO, Double Break
- Rated Operating Voltage: 240/416 VAC, 50/60/400 Hz
- Resistive Rating: 240 Amps
- Rupture Rating: 2400 Amps

Auxiliary Contacts
- Contact Arrangement: 4PST NC
- Voltage, Nom.: 28 Vdc
- Resistive Rating: 5 Amps, 28 Vdc; 10 Amps, 120 VAC

General Characteristics

Operating Cycles (Life) at Rated Resistive Load, Min.: 50,000 cycles

Operating Cycles (Life) Mechanical, Min.: 100,000 cycles

Weight, Max.: 2.8 lbs

Coil Characteristics

Duty Cycle: Continuous, economizing

Operating Voltage, Nom.: 24 Vdc

Pickup Voltage, Max.: 18 Vdc

Dropout Voltage: 1 to 10 Vdc

Coil Resistance: 240A

Rupture: 2400A

Circuit Configurations

(Consult factory for other available circuit configurations)

<table>
<thead>
<tr>
<th>HARTMAN Part Number</th>
<th>Construction Type</th>
<th>Mounting Style</th>
<th>Coil Type</th>
<th>Circuit Config.</th>
<th>TE Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>SA136F</td>
<td>Gasket/Vented</td>
<td>A</td>
<td>Continuous</td>
<td>1</td>
<td>1616948-7</td>
</tr>
</tbody>
</table>
B-312 Series, Rated up to 200 Amps, 115 VAC, 400 Hz

Product Facts
- 3PST NO
- Gasket sealed
- 115 VAC, 400 Hz

Performance Data

Electrical Characteristics
Main Contacts
Contact Arrangement — 3PST NO, Double Break
Rated Operating Voltage — 115 VAC, 400 Hz
Resistive Rating — 200 Amps
Inductive Rating — 200 Amps
Rupture Rating — 2000 Amps

Auxiliary Contacts
Contact Arrangement — 4PST NC
Voltage, Nom. — 28 Vdc or 115 VAC, 400 Hz
Resistive Rating — 5 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
Weight, Max. — 3 lbs

Coil Characteristics
Duty Cycle — Continuous, economizing
Operating Voltage, Nom. — 28 Vdc
Pickup Voltage, Max. — 18 Vdc
Dropout Voltage — 1 to 7 Vdc
Coil Resistance — Pickup — 12 Ohms ± 20%
        Holding — 60 Ohms ± 20%

Circuit Configurations
(Consult factory for other available circuit configurations)

<table>
<thead>
<tr>
<th>HARTMAN Part Number</th>
<th>Construction Type</th>
<th>Mounting Style</th>
<th>Coil Type</th>
<th>Circuit Config.</th>
<th>TE Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>B-312CV</td>
<td>Gasket/Vented</td>
<td>A</td>
<td>Continuous, Economizing</td>
<td>1</td>
<td>1616004-5</td>
</tr>
</tbody>
</table>
Product Facts
- 3PDT, Center off, double break
- Gasket sealed

Performance Data

Electrical Characteristics
- **Main Contacts**
  - Contact Arrangement: 3PDT, Center Off, Double Break
  - Rated Operating Voltage: 120/208 VAC, 400 Hz
  - Resistive Rating: 260 Amps
  - Inductive Rating: 260 Amps
  - Rupture Rating: 2600 Amps
- **Auxiliary Contacts**
  - Contact Arrangement: 4PST NO, 2PST NC
  - Resistive Rating: 5 Amps
  - Inductive Rating: 5 Amps
  - Lamp Rating: 5 Amps

General Characteristics
- **Temperature Range**
  - -55°C to +71°C
- **Operating Cycles (Life) at Rated Resistive Load**
  - 50,000 cycles
- **Mechanical**
  - 100,000 cycles
- **Altitude Max.**
  - 40,000 ft.
- **Weight**
  - 5 lbs

Coil Characteristics
- **Duty Cycle**
  - Continuous, economizing
- **Operating Voltage, Nom.**
  - 28 Vdc
- **Pickup Voltage, Max.**
  - 18 Vdc
- **Dropout Voltage**
  - R-S Coil: 14 Vdc
  - W-H Coil: 7 Vdc

Circuit Configurations
(Consult factory for other available circuit configurations)

<table>
<thead>
<tr>
<th>HARTMAN Part Number</th>
<th>Construction Type</th>
<th>Mounting Style</th>
<th>Coil Type</th>
<th>Circuit Config.</th>
<th>TE Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>B-393T</td>
<td>Gasket/Vented</td>
<td>A</td>
<td>Continuous, Economizing</td>
<td>1</td>
<td>1616044-5</td>
</tr>
</tbody>
</table>
HARTMAN Power Switching AC Contactors

B-429 Series, 260/350 Amps, 115/200 VAC or 120/208 VAC

Product Facts
- 3PST NO, Double break
- Gasket sealed
- Auxiliary contacts available
- Meets many requirements of MIL-PRF-6106

Performance Data

Electrical Characteristics
Contact Arrangement — 3PST NO, Double Break
Rated Operating Voltage —
B-429-1 and B-429W — 115/200 VAC, 400 Hz, 3 phase
B-429CA — 120/208 VAC
Resistive Rating —
B-429-1 — 275 Amps
B-429CA — 350 Amps
B-429W — 260 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 — 50,000 ft.
Weight, Max. — 4.0 lbs

Coil Characteristics
Duty Cycle — Continuous, economized with suppression
(= Type A or B, See diagram below)
Operating Voltage, Nom. — 28 Vdc
Pickup Voltage, Max. —
Coil Type A — 15 Vdc
Coil Type B — 18 Vdc
Dropout Voltage, Max. —
Coil Type A — 1.5 to 10 Vdc
Coil Type B — 1 to 7 Vdc
Coil Current Inrush —
Coil Type A — 6 Amps
Coil Type B — 2.7 Amps
Coil Current Holding —
Coil Type A — 0.6 Amps
Coil Type B — 0.56 Amps

Coil Type

A — Continuous, Economized with Suppression
B — Continuous, Economized with Suppression

For factory-direct application assistance, phone 419-521-9500 or fax 419-526-2749.
HARTMAN Power Switching AC Contactors

B-429 Series, 260/350 Amps, 115/200 VAC or 120/208 VAC (Continued)

Mounting Style A

Mounting Style B

Mounting Style C

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

Dimensions are shown for reference purposes only. Specifications subject to change.
B-429 Series, 260/350 Amps, 115/200 VAC or 120/208 VAC (Continued)

Circuit Configurations (Consult factory for other available circuit configurations)

<table>
<thead>
<tr>
<th>HARTMAN Part Number</th>
<th>Construction Type</th>
<th>Mounting Style</th>
<th>Coil Type</th>
<th>Circuit Config.</th>
<th>TE Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>B-429W</td>
<td>Gasket/Vented</td>
<td>B</td>
<td>B</td>
<td>3</td>
<td>1616005-6</td>
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<tr>
<td>B-429-1</td>
<td>Gasket/Vented</td>
<td>A</td>
<td>A</td>
<td>1</td>
<td>1616005-1</td>
</tr>
<tr>
<td>B-429CA</td>
<td>Gasket/Vented</td>
<td>A</td>
<td>B</td>
<td>2</td>
<td>1616005-4</td>
</tr>
</tbody>
</table>
HARTMAN Power Switching AC Contactors

B-430 Series, Rated up to 275 Amps, 115/200 VAC, 400 Hz

Product Facts
- 3PST, Double break, magnetic latching
- Gasket sealed
- Auxiliary contacts available
- Meets many requirements of MIL-PRF-6106

Performance Data

Electrical Characteristics

Contact Arrangement — 3PST, Double Break, Magnetic Latching
Rated Operating Voltage — 115/200 VAC, 400 Hz, 3 phase
Resistive Rating — 275 Amps
Interrupt Rating — 2,000 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 — 45,000 ft.
Weight, Max. — 4.0 lbs

Coil Characteristics

Duty Cycle
- B-430-1 — Continuous, self-deenergizing (Type A, See diagram below)
- B-430Z — Continuous, self-deenergizing with suppression (Type B, See diagram below)

Operating Voltage Close, @ 85°C
- Min. — 15 Vdc
- Max. — B-430-1 — 28 Vdc
- B-430Z — 29 Vdc

Operating Voltage Trip, @ 85°C
- Min. — 15 Vdc
- Max. — B-430-1 — 28 Vdc
- B-430Z — 29 Vdc

Coil Current Closing, Max. — 6 Amps
Coil Current Trip, Max. — 6 Amps

Coil Type

A — Continuous, Self-D eenergizing
B — Continuous, Self-D eenergizing with Suppression
For factory-direct application assistance, phone 419-521-9500 or fax 419-526-2749.

B-430 Series, Rated up to 275 Amps, 115/200 VAC, 400 Hz (Continued)

Circuit Configurations (Consult factory for other available circuit configurations)

<table>
<thead>
<tr>
<th>HARTMAN Part Number</th>
<th>Construction Type</th>
<th>Mounting Style</th>
<th>Coil Type</th>
<th>Circuit Config.</th>
<th>TE Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>B-430-1</td>
<td>Gasket/Vented</td>
<td>A</td>
<td>A</td>
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<td>1616023-1</td>
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<tr>
<td>B-430Z</td>
<td>Gasket/Vented</td>
<td>B</td>
<td>B</td>
<td>2</td>
<td>1616023-2</td>
</tr>
</tbody>
</table>
Product Facts
- 3PDT, Magnetic latching
- Gasket sealed
- Auxiliary contacts available
- Meets many requirements of MIL-PRF-6106

B-484 Series, Rated up to 500 Amps, 115/200 VAC, 400 Hz

Performance Data

Electrical Characteristics
Contact Arrangement — 3PDT, Magnetic Latching
Rated Operating Voltage — 115/200 VAC, 400 Hz, 3 phase
Resistive Rating, Continuous — 500 Amps
Inductive Rating — 500 Amps
Interrupt Rating — 6,500 Amps

General Characteristics
Temperature Range — -54°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 — 45,000 ft.
Weight, Max. — 4.5 lbs

Coil Characteristics
Duty Cycle — Continuous, self-deenergizing
Close Voltage —
Min. — 15 Vdc
Max. — 29 Vdc
Trip Voltage —
Min. — 15 Vdc
Max. — 29 Vdc
### Circuit Configurations

(Consult factory for other available circuit configurations)

<table>
<thead>
<tr>
<th>HARTMAN Part Number</th>
<th>Construction Type</th>
<th>Mounting Style</th>
<th>Coil Type</th>
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For factory-direct application assistance, phone 419-521-9500 or fax 419-526-2749.
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