

Product Data Sheet

HVPB205

Add suffix "CH" for snap-on hinged cover
Power Terminal Block

860 Amps 1500 Volts AC/DC

Wire Range

- Line: (1) M10 x 40 mm stud
 - Suitable for listed lugs
 - Lugs must fit on M10 studs, 3.05" (77.5 mm) max width
- Load: (16) #4 - 14 AWG (Suitable for #2 AWG, limited to 95A per copper wire only)

Electrical Ratings

- 860 Amps
- Voltage:
 - 1500V per UL 1059 Class E & CSA 22.2 No.158, Class C requirements
 - 600V per UL 1059 Service & Industrial Class (A & C) requirements
 - 600V per CSA 22.2 No.158 Service & Industrial Class (A & E) requirements
- Short Circuit Current Rating (SCCR) of 10,000A (default for terminal blocks)
- CU9AL - 90°C connector terminal rating
- Factory & Field Wiring

Agency Compliance

- UR - UL Recognized Terminal Block, Evaluated to UL 1059, File No.XCFR2.E62806
- cUR - UL Evaluated to CSA 22.2 No.158, File No.XCFR8.E62806

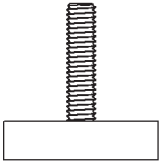
Material Information

- Insulator base:
 - Thermoplastic
 - Flammability rating of insulator base UL94V0
 - Insulator base temperature rating: -40°C to 110°C (UL RTI)
- Connector - aluminum, tin plated
- Terminal screws - steel, nickel plated
- Terminal studs - steel, zinc plated
- Hardware - nuts, flat washer, split washer - steel, zinc plated
- RoHS compliant


A Regal Brand

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Termination Specifications

| Line Side | Termination Type | Torque | Stud Length (mm/in) | Maximum Lug/Bar Width |
|---|--------------------------|--------------------------|---------------------|-----------------------|
|  | Listed lugs on M10 studs | 21.7 N·m (192 lbf·in) | 40 mm / 1.58" | 77.5 mm / 3.05" |

- For use with conductors prepared with listed connectors such as single hole compression/crimp lugs or listed ring, fork or spade terminals.
- Conductor size, ampacity, temperature rating and type are dictated by the ratings of the listed lugs utilized and applicable code requirements.

| Load Side | Wire Size (CU Stranded) | Torque | Wires / Terminal | Wire Class (UL) ¹ |
|---|-------------------------|---------------------|------------------|------------------------------|
|  | #4 - 6 | 5.1 N·m (45 lbf·in) | 1 | B, C, G, H, I (DLO) |
| | #8 | 4.5 N·m (40 lbf·in) | 1-2 | B, C, G, H, I (DLO) |
| | #10 - 14 | 4 N·m (35 lbf·in) | 1-2 | B, C, G, H, I (DLO) |
| | #12 - 14 | 4 N·m (35 lbf·in) | 1-4 | B, C, G, H, I (DLO) |

- Aluminum wire range: #4-6 AWG
- Solid copper wire range: #10-14 AWG
- Wire strip length (load side):
 - Top row: .47 in. (12 mm)
 - Bottom row: .86 in. (22 mm)
- Terminals are suitable for #2 AWG copper stranded, but limited to 95A per wire
- ¹ For information on copper stranded wire classes please reference:
<http://www.marathonsp.com/CatalogPDFs/Flexible-Stranded-Wire.pdf>

Installation & Accessories

- Mounting (Panel):
 - For use with #10 fastener with flat washer (max diameter 7/16”).
 - Torque mounting fastener to 25-30 lbf-in (2.8 - 3.4 N·m).

- Safety Guidelines:
 - Use specified hardware (washers & nuts).
 - Accessory cover (optional) is not intended to provide insulation for electrical spacings.
 - Stack lugs in decreasing width order. Ensure contact is maintained throughout the connection.

- Covers:
 - Hinge covers available upon request
 - Catalog Number: CH1332
 - Covers are black polycarbonate

Drawing

