marathon™
Special Products

Product Data Sheet

HVPB203

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

860 Amps 1500 Volts AC/DC

Wire Range
- Line: (2) M10 x 40 mm studs
    - Suitable for listed lugs
    - Lugs must fit on M10 studs, 1.50" (38.1 mm) max width
- Load: (24) #6 - 14 AWG   (Suitable for #4 AWG, limited to 75A 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)
- CU9 - 90°C connector terminal rating
- Factory & Field Wiring

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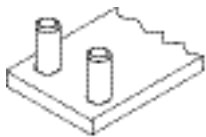- cUR - UL Evaluated to CSA 22.2 No.158, File No.XCFR8.E62806

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
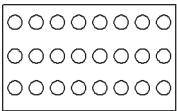- RoHS compliant

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Termination Specifications

Line Side	Termination Type	Torque	Stud Length	Maximum Lug/Bar Width
	Listed lugs on M10 studs	21.7 N·m (192 lbf·in)	40 mm / 1.58"	38.1 mm / 1.50"

- 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]
	#6 - 8	4 N·m (35 lbf·in)	1	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)
    - Center row: .63 in. (16 mm)
    - Bottom row: .86 in. (22 mm)

- Terminals are suitable for #4 AWG copper stranded, but limited to 75A 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