

Product Data Sheet



6H12-TSCU-F

1/2" Sectional Terminal Block

Flat Mount

70 Amps, 600 Volts (AC/DC)



24 Circuits Per Foot

Copper Wire Only



TS: Tubular Screw

Wire Range with Wire Binding Screw: #4 - #16 AWG

Wire Termination Torque: 20 in. lbs

See table below for Wire Classes and torque

Electrical Ratings:

- 70A (Based on NEC Table 310-16, 75°C columns)
- 600 Volts AC/DC (UL 1059 Class C, User Group – General Industrial)
- Short Circuit Current Rating: 10,000A (Default)
- Factory and field wiring

Mechanical Ratings:

- Storage and transportation temperature range: -35°C to 110°C (-31°F to 210°F)*
- Maximum insulator base temperature: 105°C (221°F)* UL RTI
- Flammability rating of insulator base: UL 94V-0
- Water Absorption 0.9% (per ASTM D-570) (24 Hours. % Wt. Gain)

* Use outside these ratings needs to be judged in the end-use application.

Materials:

- Insulator base: White Nylon Type 6/6
- Tubular Screw Connector: Copper, tin plated
- Screw, #1/4-28: Steel, nickel plated

Agency Approvals:

- UL Recognized, UL 1059 Terminal Block Standard, File No. XCFR2.E62806
- CSA Certified, CSA C22.2 No. 158, File No. LR19766
- CE compliant, IEC 60947-7-1
- RoHS Compliant

Wire Range:

| | | Copper Wire Stranding Classes - Number of Strands | | | | | | |
|-----------|------------|---|----------|-----------|---------|---------|-------------|-------------|
| Wire Size | Torque | Solid | Class B | Class C | Class G | Class H | Class I | Class K |
| 4 | 20 in. lbs | | 7 | 19 | | | | |
| 6 | 20 in. lbs | | 7 | 19 | ~ 49 | ~ 133 | ~ 63 | ~ 266 |
| 8 | 20 in. lbs | | 7 | 19 | ~ 49 | ~ 133 | ~ 41 | ~ 168 |
| 10 | 20 in. lbs | 1 | 7 | 19 | | | ~ 27 | ~ 104 |
| 12 | 20 in. lbs | (1-3)* 1 | (1-3)* 7 | (1-3)* 19 | | | (1-2)* ~ 19 | (1-2)* ~ 65 |
| 14 | 20 in. lbs | (1-4)* 1 | (1-4)* 7 | (1-2)* 19 | | | (1-2)* ~ 19 | (1-2)* ~ 41 |
| 16 | 20 in. lbs | 1 | 7 | 19 | | | | (1-2)* ~ 26 |

~ Qty of Individual Strands in Wire Classes G thru K may vary by manufacturer.

* Numbers in parenthesis indicate multiple conductor approvals

Suggested product mounting hardware: #8 (M4) fastener, torque to 15-20 in. lbs.

ACCESSORIES:

- Jumper: J-12

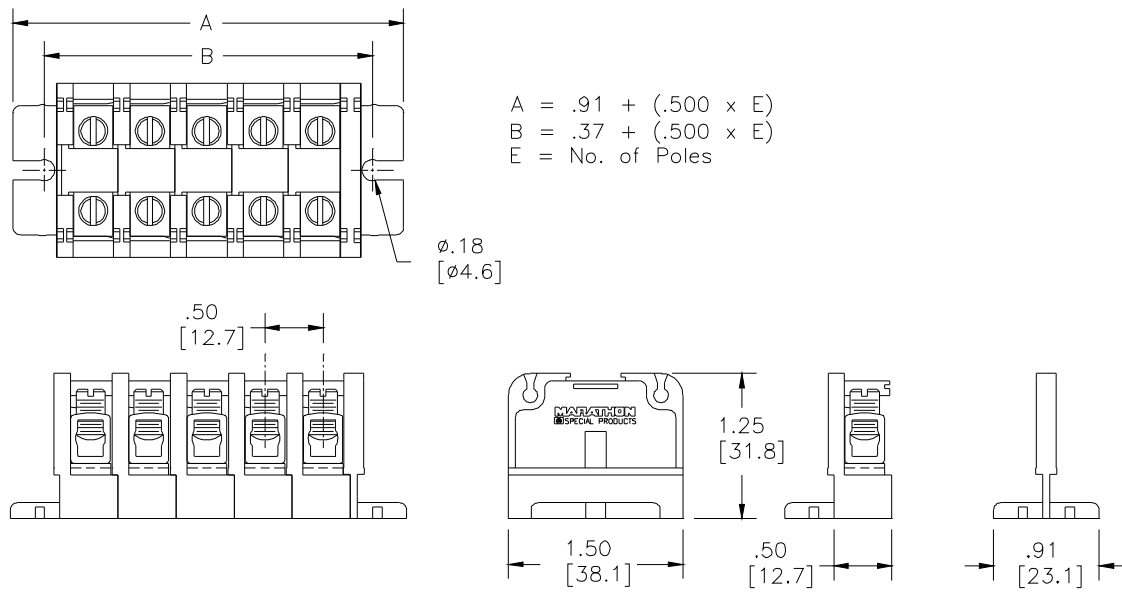


- End section: 6H12-E-F



- Marking Strip (1/2" x 2" white): MS





WWW.MARATHONSP.COM
1-419-352-8441

PDS 0309 REV A 6/04/08