

# Product Data Sheet



## 604 GP XX PSB

Replace "XX" with 01 through 08 for number of poles

**Terminal Block– Open Back**

**70 Amps, 600 Volts (AC/DC)**



(6 Pole shown)

**Insulator Strip Required for Voltage Rating**

**Copper Wire Only**

Wire Range with Wire Binding Screw: #4 - #12 AWG

7/8" Centers

Application torque: 25 in. lbs

### **Electrical Ratings:**

- 70A with wire binding screw, (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)
- Approved for Factory Wiring.

### **Mechanical Ratings:**

- Maximum insulator base temperature: 150°C (302°F)\* UL RTI
  - Flammability rating of insulator base: UL 94V-0
- \* Use outside these ratings needs to be judged in the end-use application.

### **Materials:**

- Connector: Brass, nickel plated.
- Insulator base: Phenolic
- Screw, #12-32 Binder head, Phil-Slot: Brass, nickel plated
- Rivet: Brass, tin plated.

### **Agency Approvals:**

- UL Recognized, UL 1059 Terminal Block Standard, File No. XCFR2.E47811
- CSA Certified, CSA C22.2 No. 158, File No. LR19766
- CE compliant, IEC 60947-7-1
- RoHS Compliant

## Wire Range:

| Wire Size | Torque     | Copper Wire Stranding Classes - Number of Strands |         |         |
|-----------|------------|---|---------|---------|
|           |            | Solid   | Class B | Class C |
| 4         | 25 in. lbs | 1   | 7       | 19      |
| 6         | 25 in. lbs | 1   | 7       | 19      |
| 8         | 25 in. lbs | 1   | 7       | 19      |
| 10        | 25 in. lbs | 1   | 7       | 19      |
| 12        | 25 in. lbs | 1   | 7       | 19      |

Suggested product mounting hardware: #10 fastener, torque to 25 - 30 in. lbs.

## ACCESSORIES:

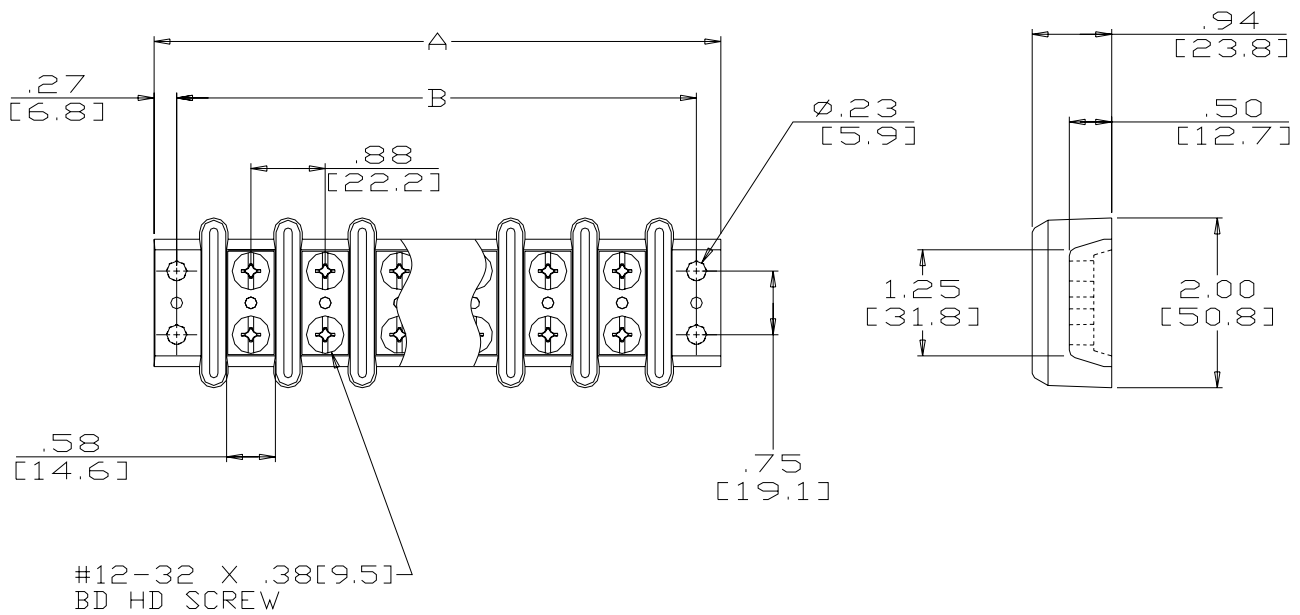
- JJ (GDI-30F) Material available. Glass-fiber filled, diallyl ortho-phthalate. UL-94 V0. Certifiable to Military Specifications MIL-M-14 and MIL-P-19833.

- Printing (for printing options, see Terminal Block Printing on website)

- Marking strips - sub mounted or top mounted. Can be made from XP (general purpose laminate), XXXPFR (flame retardant), GME (glass cloth melamine), or GEE (glass cloth epoxy) material. (For Printing Options, see section on website)



- Insulator strips - sub mounted, black only (BB) (Printing Unavailable). Insulator Strip will be the same width as the molding.



**Dimensions**

|           |   | <b>A</b> | <b>B</b> |
|-----------|---|----------|----------|
| 604 GP 01 | 1 | 2.28     | 1.75     |
| 604 GP 02 | 2 | 3.16     | 2.63     |
| 604 GP 03 | 3 | 4.03     | 3.50     |
| 604 GP 04 | 4 | 4.91     | 4.38     |
| 604 GP 05 | 5 | 5.78     | 5.25     |
| 604 GP 06 | 6 | 6.66     | 6.13     |
| 604 GP 07 | 7 | 7.53     | 7.00     |
| 604 GP 08 | 8 | 8.41     | 7.88     |

MM = Dim X 25.4

[WWW.MARATHONSP.COM](http://WWW.MARATHONSP.COM)  
1-419-352-8441