



## Product Data Sheet

# 144X569

Replace "x" with 1, 2, or 3 for number of poles

Power Terminal Block

## 380 Amps 600 Volts AC/DC

### Wire Range

- Line: (1) 500 kcmil - #4 AWG
- Load: (2) 1/4 - 20 X 1 1/16 stud

### Electrical Ratings

- 380 Amps
- 600V per UL 1059 & CSA 22.2 No.158, Class B & C requirements
- SCCR of 10,000 A (default for terminal blocks)
- CU7AL - 75°C connector terminal rating with copper or aluminum wire
- Factory & Field Wiring

### Agency Compliance

- UR - UL Recognized Terminal Block, Evaluated to UL 1059, File No.XCFR2.E62806
- CSA - certified to C22.2 No. 158, File No. LR19766 (wire classes B & C only)
- CE compliant to IEC 60947-7-1

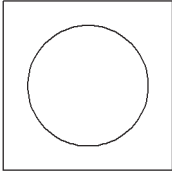
### Material Information

- Insulator base:
  - Phenolic
  - Flammability rating of insulator base UL94V0
  - Insulator base temperature rating: -40°C to 150°C (UL RTI)
- Connector: aluminum, tin plated
- Threaded stud: brass, tin plated
- Nuts: brass, nickel plated
- Connector mounting screws: steel, zinc plated
- RoHS compliant


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## Termination Specifications

| Line Side   | Wire Size<br>(CU Stranded) | Torque                | Wires /<br>Terminal | Wire Class (UL) <sup>1</sup> |
|---|----------------------------|-----------------------|---------------------|------------------------------|
|  | 500 kcmil                  | 42.4 N·m (375 lbf·in) | 1                   | B, C                         |
|   | 400 - 2                    | 42.4 N·m (375 lbf·in) | 1                   | B, C, G, H, I (DLO)          |
|   | 4                          | 42.4 N·m (375 lbf·in) | 1                   | B, C                         |

- Aluminum wire range: 400 kcmil - #6 AWG
- Wire strip length: 1 1/4 in. (32mm)
- Terminal screw drive: 3/8 in. (8mm) hex

| Load Side   | Termination<br>Type              | Torque                 | Stud Length       | Maximum<br>Lug/Bar Width |
|---|----------------------------------|------------------------|-------------------|--------------------------|
|  | Listed lugs on<br>1/4 - 20 studs | 6.9 N·m<br>(61 lbf·in) | 1 3/16"<br>(30mm) | 1.50"<br>(38mm)          |

- 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.

<sup>1</sup> For information on copper stranded wire classes please visit:  
<http://www.marathonsp.com/flexible-stranded-wire.php>

## Installation & Accessories

- Mounting (Panel):
  - For use with #10 fastener.
  - Torque mounting fastener to 25-30 lbf-in (2.8 - 3.4 N·m).
- Covers:
  - Flat covers available upon request
  - Catalog Number: CC 144x (replace "x" with number of poles)
  - Covers are clear polycarbonate
  - Accessory covers are not intended to provide insulation for electrical spacings.
- Marker Strip: white vinyl strip with mounting screws available.
- Printing options available, consult customer service for specifications.

## Drawing

