



Product Data Sheet

143X553

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

Power Terminal Block

335 Amps 600 Volts AC/DC

Wire Range

- Line: (1) 400 kcmil - #6 AWG
- Load: (6) #2 - #14 AWG

Electrical Ratings

- 335 Amps
- 600V per UL 1059 & CSA 22.2 No.158, class B & C requirements
- Short circuit current ratings (SCCR): See SCCR section below for specifications.
- 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

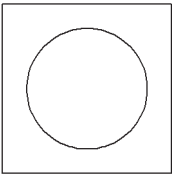
Material Information

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

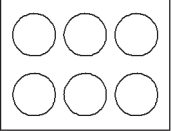
A Regal Brand

REGAL

Termination Specifications

| Line Side | Wire Size (CU Stranded) | Torque | Wires / Terminal | Wire Class (UL) ¹ |
|---|----------------------------|-----------------------|---------------------|------------------------------|
|  | 400 - 350 kcmil | 31.1 N·m (275 lbf·in) | 1 | B, C |
| | 300 - 2 | 31.1 N·m (275 lbf·in) | 1 | B, C, G, H, I (DLO) |
| | 4 - 6 | 31.1 N·m (275 lbf·in) | 1 | B, C |

- Aluminum wire range: 400 kcmil - #6 AWG
- Wire strip length: 1 1/16 in. (27mm)
- Terminal screw drive: 5/16 in. hex

| Load Side | Wire Size (CU Stranded) | Torque | Wires / Terminal | Wire Class (UL) ¹ |
|---|----------------------------|---------------------|---------------------|------------------------------|
|  | 2 | 5.6 N·m (50 lbf·in) | 1 | B, C |
| | 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 ² | B, C, G, H, I (DLO) |
| | 10 | 4 N·m (35 lbf·in) | 1 - 2 | B, C, I (DLO) |
| | 12 - 14 | 4 N·m (35 lbf·in) | 1 - 2 | I (DLO) |
| 1 - 4 | | | B, C | |

- Solid copper wire range: 10 - 14
- Aluminum wire range: 2 - 6 AWG
- Wire strip length:
 - top holes: 9/16 in. (14mm)
 - bottom holes: 1.0 in. (25mm)
- Terminal screw drive: slotted

¹ For information on copper stranded wire classes please reference:
<http://www.marathonsp.com/CatalogPDFs/Flexible-Stranded-Wire.pdf>

² Multiple wire rating applies to classes B, C, & I (DLO) only

Short Circuit Current Ratings (SCCR)

- The suitable conductor ranges are limited to the table values only for achieving the SCCR in excess of the default rating of 10,000A.
- Other conductor combinations within the “Terminal Specifications” noted are suitable for achieving a SCCR of 10,000A (the default rating of terminal blocks).
- Enclosure size – Investigated with a minimum 16x12x6 enclosure. Use in smaller enclosures is subject to end use evaluation.

SCCR With Fuses

| Wire Class | Suitable Conductors | | Max Overcurrent Protection Fuse Required Amp Rating / Class | | | | | | SCCR RMS Sym. Amps 600V. Max |
|------------|---------------------|--------|--|-----|-----|-----|----|----|------------------------------------|
| | Line | Load | J | T | RK1 | RK5 | G | CC | |
| B, C | 400 - 3/0 | 2 - 8 | 500 | 500 | 400 | 200 | 60 | 30 | 100,000 |
| B, C | 400 - 6 | 2 - 10 | 350 | 350 | 200 | 100 | 60 | 30 | 100,000 |
| G, H, I | 250 - 1/0 | 4 - 10 | 150 | 150 | 100 | 30 | 60 | 30 | 100,000 |
| (*) | 400 - 6 | 2 - 14 | None | | | | | | 10,000 |

* Any wire class evaluated (see terminal specification section)

SCCR With Circuit Breakers

| Suitable Conductors | | Overcurrent Protection Circuit Breaker Required | | | SCCR RMS Sym. Amps | Volts Max |
|---------------------|--------|---|-----------|---------|--------------------|-----------|
| Line | Load | MFR | TYPE | Max AMP | | |
| 400 - 2 | 2 - 8 | Allen Bradley | 140U-K6X3 | 400 | 18kA | 480 |
| 4/0 - 4 | 2 - 10 | Allen Bradley | 140U-J6X3 | 250 | 25kA | 480 |
| 4/0 - 4 | 2 - 10 | Allen Bradley | 140U-J3X3 | 250 | 22kA | 480 |
| 400 - 3/0 | 2 - 8 | Allen Bradley | 140G-K3 | 400 | 35kA | 480 |
| | | Allen Bradley | 140G-K6 | 400 | 35kA | 480 |
| | | Allen Bradley | 140G-K0 | 400 | 35kA | 480 |
| | | Allen Bradley | 140G-K15 | 400 | 35kA | 480 |
| | | Allen Bradley | 140MG-K8 | 400 | 35kA | 480 |
| 4/0 - 4 | 2 - 10 | Allen Bradley | 140G-J6 | 250 | 35kA | 480 |
| | | Allen Bradley | 140G-K0 | 250 | 35kA | 480 |
| | | Allen Bradley | 140G-K15 | 250 | 35kA | 480 |
| | | Allen Bradley | 140MG-J8 | 250 | 35kA | 480 |
| 2/0 - 6 | 2 - 10 | Square D | JDL36250 | 250 | 18kA | 480 |
| | | Square D | JGL36250 | 250 | 35kA | 480 |
| | | Square D | JJL35260 | 250 | 65kA | 480 |
| | | Square D | JLL36250 | 250 | 65kA | 480 |
| 400 - 6 | 4 - 8 | Square D | LJL36600 | 600 | 65kA | 480 |
| 400 - 6 | 2 - 8 | Square D | LJL36600 | 600 | 25kA | 600 |
| 350 - 6 | 2 - 10 | Square D | JJL36250 | 600 | 25kA | 600 |

Installation & Accessories

- Mounting (Panel):
 - For use with #10 fastener.
 - Mounting torque to be determined in end use application not to exceed 30 lbf-in (3.4 N·m).
- Covers:
 - Flat covers available upon request
 - Catalog Number: CC143x (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.

Product Data Sheet

Drawing

