

Product Data Sheet



142X120

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

Power Splicer Block 175 Amps, 600 Volts (AC/DC)



Wire Range:

Line side: (1) 2/0 - #14 AWG

Load Side: (1) 2/0 - #14 AWG

See tables below for SCCR wire ranges, flexible stranded and multiple wire approvals.

Electrical Ratings:

- 175A copper wire, 135A aluminum wire (Based on NEC Table 310-16, 75°C columns)
- 600 Volts AC/DC (UL 1059 Class C, User Group - General Industrial)
- Factory and Field Wiring

Short Circuit Current Ratings (Copper wire only):

| Suitable (kcmil/AWG) | | Overcurrent Protection Fuse Required Class/Max Amp Rating | | | | | | SCCR, RMS SYM Amps | Volts Max |
|-------------------------|---------|--|-----|-----|-----|----|----|-----------------------|--------------|
| Line | Load | J | T | RK1 | RK5 | G | CC | | |
| 2/0 - 6 | 2/0 - 6 | 300 | 300 | 200 | 100 | 60 | 30 | 65,000 | 600 |

Mechanical Ratings:

- Maximum insulator base temperature: 150°C (302°F) UL RTI
- Storage and transportation temperature range: -35°C to 125°C (-31°F to 257°F)
- Flammability rating of insulator base: UL 94 V-0
- * Use outside these ratings needs to be judged in the end-use application.

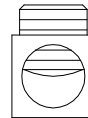
Materials:

- Connector: High conductivity aluminum, tin plated
- Insulator base: phenolic
- Terminal set screws: Aluminum, tin plated
- Connector mounting screws: Steel, zinc plated

Agency Approvals:

- UL Recognized, UL 1059 Terminal Block Standard, File No. XCFR2.E62806
- CSA Certified, CSA C22.2 No. 158, File No. LR19766 (Wire Classes B & C only)
- CE compliant to IEC 60947-7-1
- RoHS Compliant

Wire Approvals:



Line and Load Side Wire Approvals:

| Wire Size | Torque | Solid | Class B | Class C | Class G | Class H | Class I | Class K |
|-----------|-------------|-------|---------|---------|---------|---------|---------|---------|
| 2/0 AWG | 120 in. lbs | | 19 | 37 | | | | |
| 1/0 | 120 in. lbs | | 19 | 37 | | | | |
| 1 | 120 in. lbs | | 19 | 37 | ~ 133 | ~ 259 | ~ 210 | ~ 836 |
| 2 | 120 in. lbs | | 7 | 19 | ~ 49 | ~ 133 | ~ 161 | ~ 665 |
| 4 | 120 in. lbs | | 7 | 19 | ~ 49 | ~ 133 | ~ 105 | ~ 420 |
| 6 | 120 in. lbs | | 7 | 19 | ~ 49 | ~ 133 | ~ 63 | ~ 266 |
| 8 | 40 in. lbs | | 7 | 19 | ~ 49 | ~ 133 | ~ 41 | ~ 168 |
| 10 | 35 in. lbs | 1 | 7 | 19 | | | ~ 27 | ~ 104 |
| 12 | 35 in. lbs | 1 | 7 | 19 | | | ~ 19 | ~ 65 |
| 14 | 35 in. lbs | 1 | 7 | 19 | | | ~ 19 | ~ 41 |

~Quantity of strands for Classes G, H, I, K may vary by manufacturer.

Aluminum stranded wire range: 2/0– #12 AWG

- Wire strip length, line and load side taps – 3/4”
- Hex key required: 5/16”
- Panel mountable: #10 fastener, torque to 25-30 in. lbs.

Accessories:

- Cover: Clear protective plastic cover. Catalog description CC142X (“X” numbers of poles: 1,2 or 3)
- Marking strip: White vinyl strip to mark circuits. Supplied with mounting screws.
- Printing available. Consult factory.

