

Product Data Sheet



132X970 CH

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

Distribution Power Block

175 Amps, 600 Volts (AC/DC)



Wire Range:

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

Load Side: (4) #4 - #14 AWG

[See tables below for SCCR wire ranges, flexible stranded and multiple wire approvals.](#)

Insulator base adders and 1 pole product can be snapped together through integral dovetails to create variable pole power blocks.

7.5 x 35 mm din rail or panel mountable

Electrical Ratings:

- 175A copper 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 | 4 - 14 | 200 | 200 | 200 | 100 | 60 | 30 | 100,000 | 600 |

Mechanical Ratings:

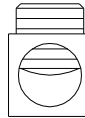
- Maximum insulator base and cover temperature: 125 °C (257 °F) UL RTI
- Storage and transportation temperature range: -35 °C to 110 °C (-31 °F to 230 °F)
- Flammability rating of insulator base and cover: UL 94 V-0
- * Use outside these ratings needs to be judged in the end-use application.

Materials:

- Connector: Copper, tin plated
- Insulator base: glass filled polycarbonate (thermoplastic)
- Terminal set screws: Steel, nickel plated
- Connector mounting screw: Steel, zinc plated
- Hinged cover: glass filled polycarbonate (thermoplastic)

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

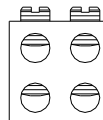


Wire Approvals:

Line Side Wire Approvals:

| | | Copper Wire Stranding Classes - Number of Strands | | | | | | |
|-----------|-------------|---|---------|---------|---------|---------|---------|---------|
| 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.



Load Side Wire Approvals:

| | | Copper Wire Stranding Classes - Number of Strands | | | | | | |
|-----------|------------|---|----------|-----------|---------|---------|-------------|--------------|
| Wire Size | Torque | Solid | Class B | Class C | Class G | Class H | Class I | Class K |
| 4 AWG | 35 in. lbs | | 7 | 19 | | | | |
| 6 | 35 in. lbs | | 7 | 19 | ~ 49 | ~ 133 | ~ 63 | ~ 266 |
| 8 | 35 in. lbs | | 7 | 19 | ~ 49 | ~ 133 | ~ 41 | ~ 168 |
| 10 | 35 in. lbs | 1 | (1-2)* 7 | (1-2)* 19 | | | (1-2)* ~ 27 | (1-2)* ~ 104 |
| 12 | 35 in. lbs | 1 | (1-4)* 7 | (1-4)* 19 | | | (1-2)* ~ 19 | (1-2)* ~ 65 |
| 14 | 35 in. lbs | 1 | (1-4)* 7 | (1-4)* 19 | | | (1-2)* ~ 19 | (1-2)* ~ 41 |

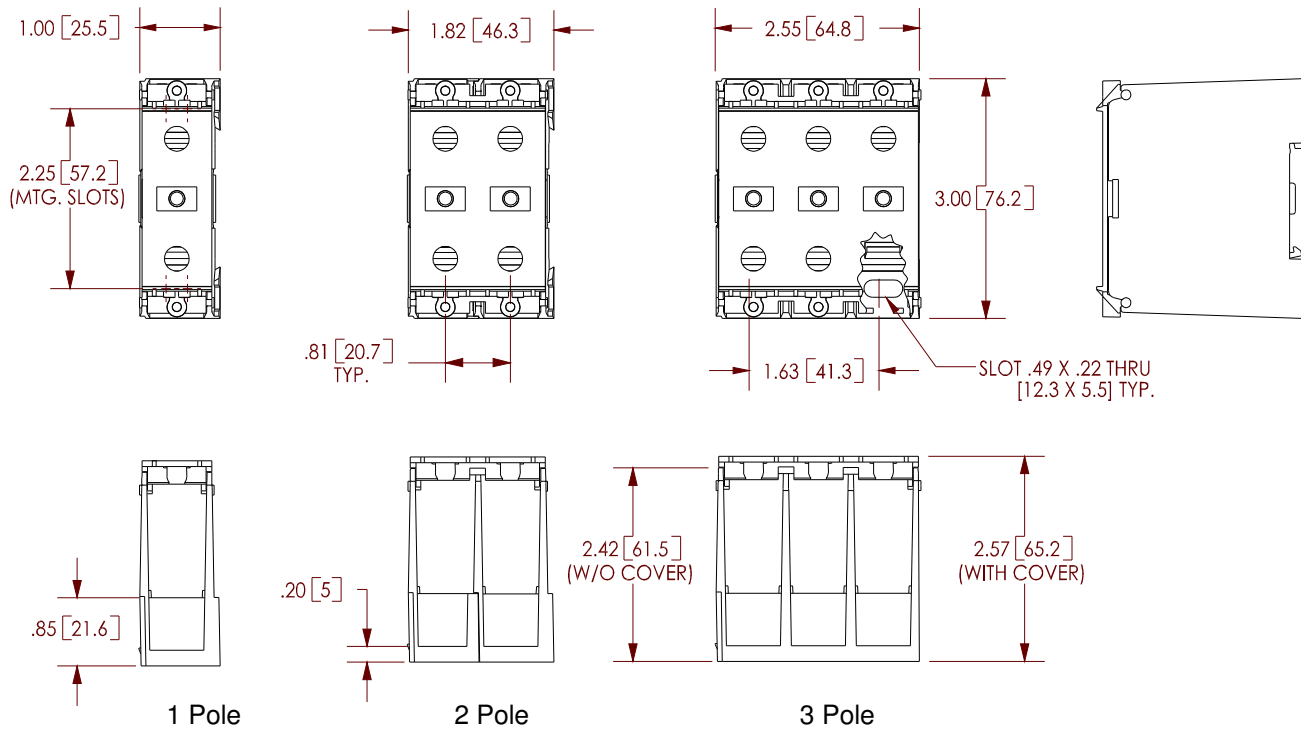
~ Quantity of strands for Classes G, H, I, K may vary by manufacturer.

* Multiple conductor approvals for **LOAD** side only. (copper only)

- Wire strip length, line side tap – 3/4”
- Wire strip length, load side tap, top row – 3/8”, bottom row – 7/8”
- Hex keys required : line side – 3/16” , load side - slotted
- Panel mountable: #10 fastener, torque to 25-30 in. lbs.

Accessories:

- End bracket for din rail mounting :MSK35
- Marker Strips. Printing available. Consult factory.
- Din Rail (35 x 7.5 mm, 2 m long, slotted): MN35-2



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