

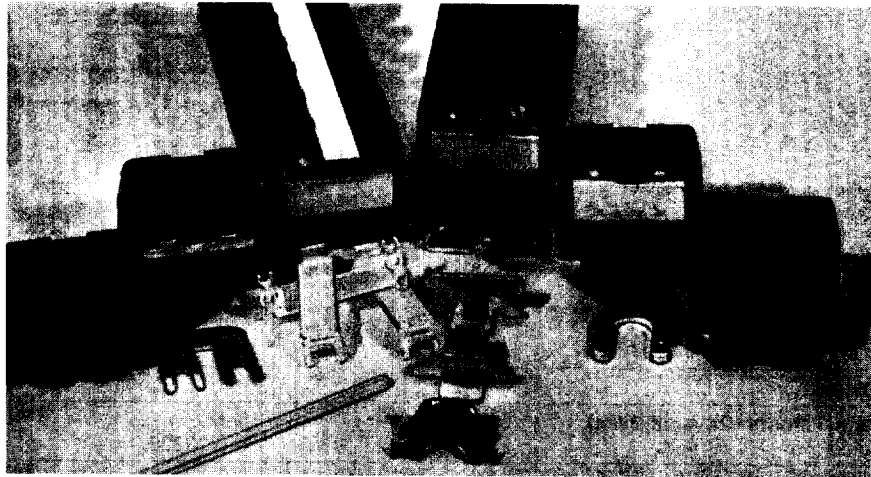
**200 Series, Heavy Duty Phenolic Blocks**

**DESCRIPTION/APPLICATION**

This family of phenolic heavy duty blocks is ideal for high temperature, high current applications. The rugged material withstands temperatures up to 302° F (150° C).

**DESIGN ADVANTAGES**

- Sturdy Heavy Duty block accepts single or combinations of wire up to #4 AWG solid or stranded — at least 122 circuits per 6-foot length, 9/16" center-to-center spacing.
- Choose from four different contact styles conservatively rated up to 90 amperes.
- 600 volt UL and NEMA rating.
- Surface mounted flat base and channel mounted dovetail base models available.
- Only one end section needed per block assembly.
- Interlocking sectional fanning strips allow entire circuit groups to be connected and disconnected as a single unit.
- Readily identify circuits — available with painted marking surface or use removable marking strip. Pre-printed strips are also available.
- Factory assembled blocks available.
- Heavy Duty Phenolic Block Sections Snap-fit with 300 & 600 volt, medium duty phenolic, heavy duty nylon and polypropylene, and Fuse and Switch blocks.

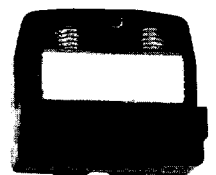
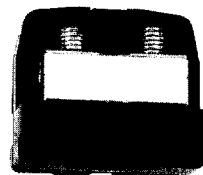
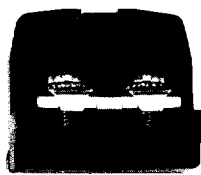
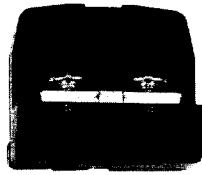


Terminal Blocks

For complete product information, order Catalog 1308389



### 200 Series, Heavy Duty Phenolic, 600 V, 0.56" Pitch



| CHARACTERISTICS                      | STRAP SCREW  | STRAP CLAMP  | TUBULAR SCREW | TUBULAR CLAMP |
|--------------------------------------|--------------|--------------|---------------|---------------|
| <b>Type of Block</b>                 | <b>Model</b> | <b>Model</b> | <b>Model</b>  | <b>Model</b>  |
| <b>Direct Mount (Flat Base)</b>      |              |              |               |               |
| Painted                              | 221          | 228-BU       | 222-BU        | 223-BU        |
| Unpainted                            | 211          | 218          | 212           | 213           |
| <b>Channel Mount (Dovetail Base)</b> |              |              |               |               |
| Painted                              | 0221         | 0228         | 0222          | 0223          |
| Unpainted                            | 0211         | 0218         | 0212          | 0213          |

### Contact Type



### Specifications

|                                      |                               |                          |                            |                            |
|--------------------------------------|-------------------------------|--------------------------|----------------------------|----------------------------|
| Wire Range (AWG)<br>Solid & Stranded | 22-10                         | 18-8                     | 18-4                       | 18-6                       |
| Wire Strip Length (in.)              | —                             | 1/2                      | 1/2                        | 1/2                        |
| Screw Type                           | 10-32<br>slotted binding head | 8-32<br>pan head w/clamp | 1/4-28<br>slotted headless | 1/4-28<br>slotted headless |
| Ampacity                             | 35 A                          | 50 A                     | 85 A                       | 65 A                       |

### End Sections

|               |        |        |        |        |
|---------------|--------|--------|--------|--------|
| Direct Mount  | 230-BU | 230-BU | 230-BU | 230-BU |
| Channel Mount | 0230   | 0230   | 0230   | 0230   |

- Notes:**
- Standard packaging is 40 pieces for contact and 25 pieces for end sections.
  - Before ordering, see Cross Reference in Section 15 for equivalent Tyco Electronics Part Number.

#### Notes:

For factory assembled blocks, suffix Catalog Number with number of blocks desired. (Maximum number of flat base preassembled sections = 12).

Example: Twenty dovetail based, tubular clamp blocks, preassembled on channel = 021320 (paint marking area)

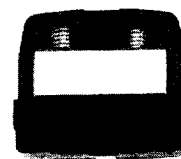
Example: Twelve preassembled flat base, strap screw blocks = 22112 (paint marking area)

For factory assembled blocks supplied with a removable marking strip add — 1 to Catalog Number.

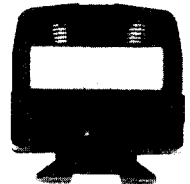
For blocks with two or more different contact sections, imprinted marking strips, or special features, consult the Technical Support Center.

Environmental contacts for highly corrosive atmospheres are available with nickel plating on non-ferrous hardware. To order, prefix Catalog # with "D"

### Comparison (Type of Block)



Direct Mount  
(Flat Base)



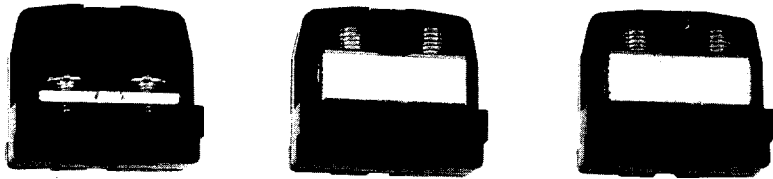
Channel Mount  
(Dovetail Base)



LR2557 E63810

For complete product information, order Catalog 1308389




**200 Series, Heavy Duty Phenolic, 600 V, 0.56" Pitch (Continued)**



**CORROSION RESISTANT STRAP SCREW      CORROSION RESISTANT TUBULAR SCREW      CORROSION RESISTANT TUBULAR CLAMP**

| Model | Model | Model |
|-------|-------|-------|
| D221  | D222  | D223  |
| D211  | D212  | D213  |
| D0221 | D0222 | D0223 |
| D0211 | D0212 | D0213 |

**Contact Type**

|  |  |  |
|---|---|---|
| 22-10   | 18-4  | 22-10   |
| —   | 1/2   | 1/2   |
| 10-32 Nickel plated<br>Slotted Binding Head                                       | 1/4-28 Nickel plated<br>Slotted Headless  | 1/4-28 Nickel plated<br>Slotted Headless  |
| 35 A  | 85 A  | 65 A  |
| 230-BU  | 230-BU  | 230-BU  |
| 0230  | 0230  | 0230  |

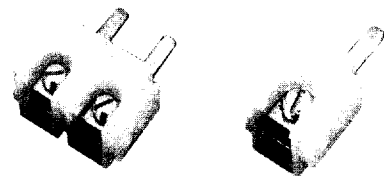
- Notes:** 1. Standard packaging is 40 pieces for contact and 25 pieces for end sections.  
2. Before ordering, see Cross Reference in Section 15 for equivalent Tyco Electronics Part Number.

**SECTIONAL FANNING STRIPS**

**Ordering Information**

| CATALOG # | DESCRIPTION              | STANDARD PACKAGE |
|-----------|--------------------------|------------------|
| 24        | Tubular Screw            | 25               |
| 27        | Strap Screw              | 25               |
| 2400      | Molding Only, no contact | 50               |

**Note:** For factory assembled fanning strips, suffix Catalog Number with number desired  
Example: Ten factory assembled sections of #24 = 24\*10















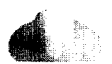


For complete product information, order Catalog 1308389



Terminal Blocks

### 200 Series, Heavy Duty Phenolic Accessories

| MOUNTING CHANNEL  |   | CHANNEL CLAMPS  |   |   |   |   |   |
|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |
| STEEL CHANNEL   | BREAK AWAY STEEL  | PRE-PUNCHED ALUMINUM CHANNEL  | SCREW CHANNEL CLAMPS  | UNIVERSAL CLAMPS  | SNAP-IN CLAMPS  | SEE-THRU COVER  | GANGING ROD   |
| <b>Catalog Number</b>   |   |   |   |   |   |   |   |
| 60<br>63-BU   | 60-B-36   | 64<br>67  | 61  | 68  | 62  | 23-BU   | 30-BU   |
| <b>Standard Package</b>   |   |   |   |   |   |   |   |
| 6 feet<br>3 feet  | 3 feet  | 6 feet<br>3 feet  | 100   | 100   | 100   | 25  | 2 feet  |

| MARKING ACCESSORIES  |  |  |  | JUMPERS   |   |  |
|--|--|--|--|---|---|--|
|  |  |  |  |  |  |  |
| PLASTIC CLOTH TAPE   | PLASTIC CLOTH TAPE   | VINYL MARKING STRIPS   | ELEVATED MARKING STRIP   | NYLON HOLDING PLUG  | JUMPER FOR TUBULAR CONTACTS   | JUMPER FOR STRAP SCREW   |
| <b>Catalog Number</b>  |  |  |  |   |   |  |
| 56   | 55-BU  | 50-BU  | 52-BU  | 65-BU   | 41-BU   | 43   |
| <b>Standard Package</b>  |  |  |  |   |   |  |
| 10 sheets  | 50 feet  | 25 feet  | 18 inches  | 100   | 100   | 100  |

**Note:** Before ordering, see Cross Reference in Section 15 for equivalent Tyco Electronics Part Number.

#### RELATED PRODUCT DATA

For more information on AMP Standard Terminals and Splices or Quick-Connect FASTON Receptacles and Tabs, request Catalog 82042.

For complete product information, order Catalog 1308389

**200 Series, Heavy Duty Phenolic Specifications**

**Standard Contacts**

**MATERIAL:** Electrical grade copper or copper alloy conductor. Steel Screws plated to resist corrosion in most industrial applications.

**Environmental Contacts  
(for highly corrosive atmospheres)**

**TUBULAR SCREW:** - Electrical grade copper tube with nickel plating.

Nickel plated brass screws.

**STRAP SCREW:** - Nickel plated brass straps and screws

Nickel plating exceeds specification QQ-N-290 Class I, Type VII.

**WIRE RANGE:** Strap Screw: #22-10 AWG max., solid or stranded with crimp terminals

**STRAP CLAMP:** #18-8 AWG, solid or stranded

**TUBULAR SCREW:** #18-4 AWG, solid or stranded

**TUBULAR CLAMP:** #18-6 AWG, solid or stranded

**WIRE STRIP LENGTH:** Strap Screw: As needed for lugging

**STRAP CLAMP:** 1/2 in.

**TUBULAR SCREW:** 1/2 in.

**TUBULAR CLAMP:** 1/2 in.

**SCREW TYPE:** Strap Screw: 10-32 slotted binding head

**STRAP CLAMP:** 8-32 pan head w/ clamp

**TUBULAR SCREW:** 1/4-28 slotted headless

**TUBULAR CLAMP:** 1/4-28 slotted headless

**STRAP SCREW:** Maximum width of lugs: 11/32 in.

**Nylon Housing**

**MATERIAL:** Phenolic, Filled Flame Retardant

**MAX. CONTINUOUS TEMPERATURE:** 150°C, (302°F)

**BREAKDOWN VOLTAGE:**

Contact-to-Contact: 7800V

Contact-to-Ground: 9400V

**DIELECTRIC STRENGTH** (RH 40% at Sea Level):

300 Volts/mil thickness per ASTM #D149

**UL HIGH VOLTAGE ARC TRACKING (INCHES/MIN.):**

.49-.58

**WATER ABSORPTION** (24 hrs. % wt. gain): 0.45% per ASTM D570

**FLAMMABILITY:** UL94V-1

**CHEMICAL RESISTANCE:** Resistant to acids, alkalis, and aliphatic hydrocarbons and ketones, per ASTM D543.

**RADIATION RESISTANCE** (ergs g-1 (C)): 2.7 x 10<sup>9</sup> min.

**COLOR:** Black

**INDEPENDENT TESTING SERVICE**

**LISTING AND RECOGNITION**

WIRE SIZES, Solid or Stranded Tubular Screw

*Tubular Screw*

1 #4 AWG, 1 #6 AWG,

1 or 2 #8 AWG, 1 to 4 #10 AWG,

1 or 5 #12 AWG, 1 to 6 #14 AWG,

1 or 6 #16 AWG, 1 to 8 #18 AWG,

*Tubular Clamp*

1 #6 AWG, 1 or 2 #8 AWG,

1 to 3 #10 AWG, 1 to 4 #12 AWG,

1 or 4 #14 AWG, 1 to 6 #16 AWG,

1 or 8 #18 AWG

*Strap Clamp*

1 #18 to 1 #8 AWG

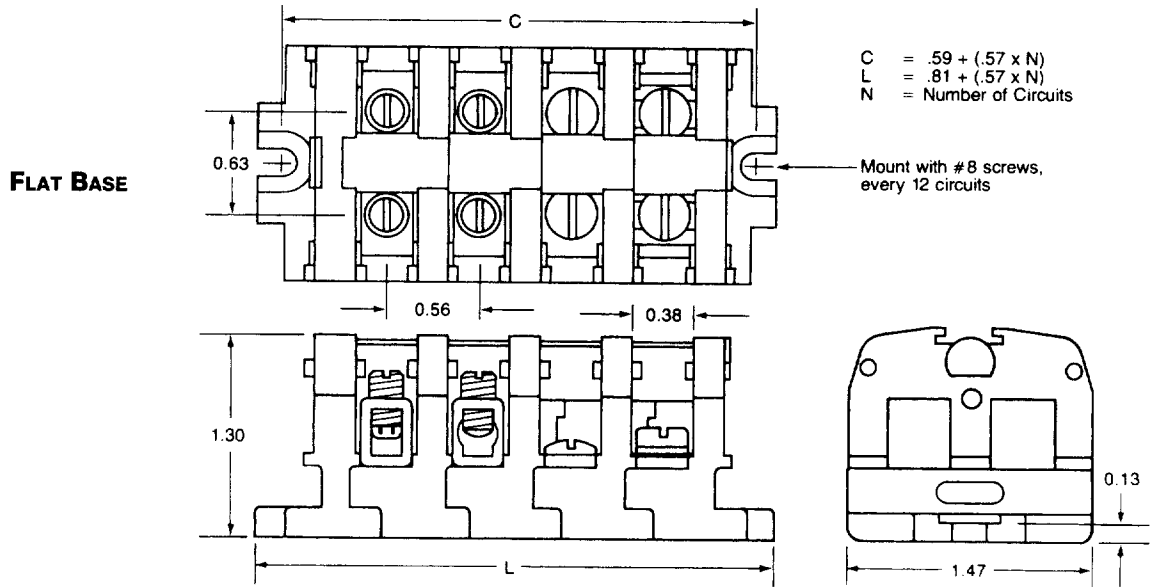


Terminal Blocks

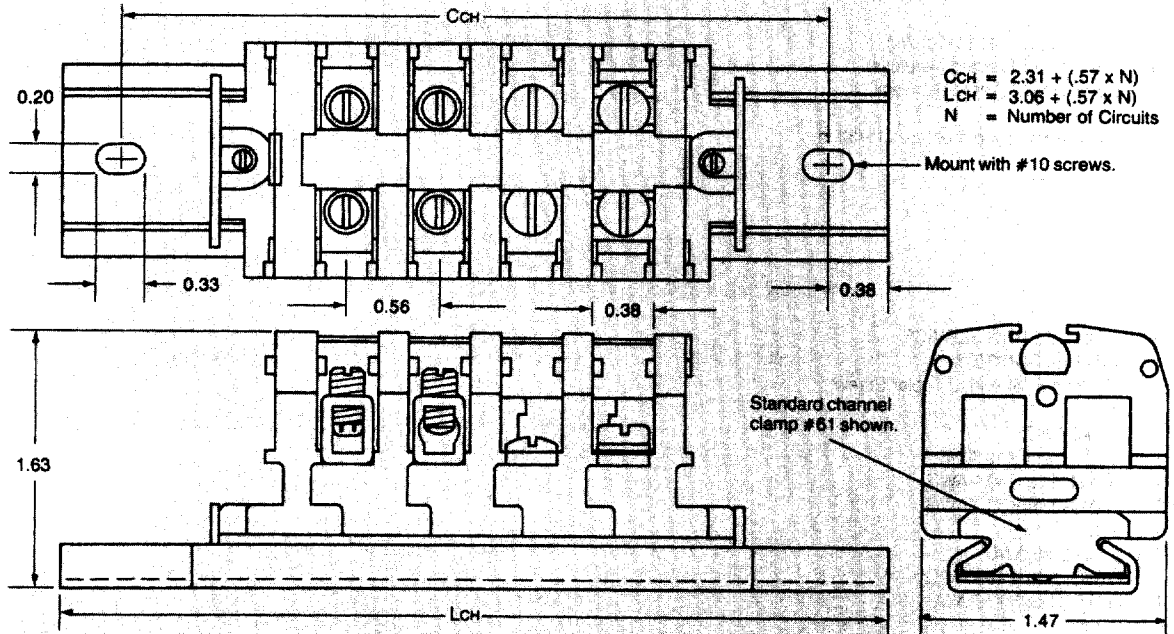


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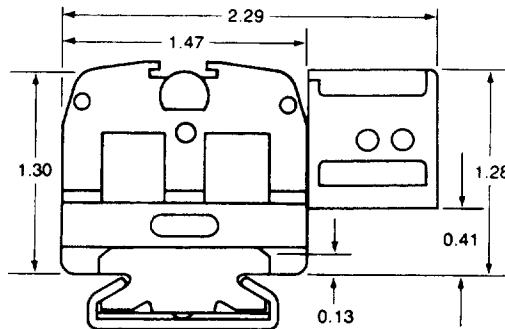
**200 Series, Heavy Duty Phenolic**



**DOVETAIL BASE MOUNTED ON STANDARD #60 CHANNEL**



**SECTIONAL FANNING STRIPS**



For complete product information, order Catalog 1308389