

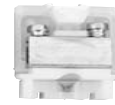
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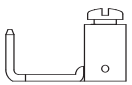
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NEMA ETB Selector Chart

High Density Series 100

Medium Duty Series 900




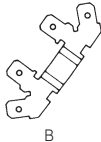
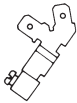









| | High Density Miniature | High Density Single Tier | High Density Double Tier | Medium Duty | | | |
|--|--|---|------------------------------------|---|---|--|--|
| Mounting | Direct Mount, Miniature Channel | Direct Mount, Standard & Breakaway Channel | Channel only: Standard & Breakaway | Direct Mount Standard, Miniature & Breakaway Channels | | | |
| AWG Wire Range | #30-12 | #30-12 | #30-12 | #22-8 | #22-8 | 10*, #22-14 | #22-10 |
| Contact Types | | Tubular Clamp | | Tubular Clamp | Tubular Screw | Strap Screw | Plug-In |
| R =Shipped with screws raised B =Shipped with screws bottomed | |  B | |  B |  B |  B |  |
| Ampacity | 28A | 28A | 25A | 30A | 50A | 35A*, 15A | 30A |
| Voltage | 300 V 600 V (Limited Power Circuits) | 600 V | 600 V | 600 V | 600 V | 600 V | 600 V |
| Center-to-Center Spacing | .25" [6.35] | .25" [6.35] | .24" [6.10] | .375" [9.53] | .375" [9.53] | .375" [9.53] | .375" [9.53] |
| Housing Material | Nylon or Polypropylene | Nylon | Nylon | PCT | PCT | PCT | PCT |
| Flammability Rating | UL94V-2 or UL94V-0 | UL94V-2 | UL94V-2 | UL94V-0 | UL94V-0 | UL94V-0 | UL94V-0 |
| Max. Service Temperature | 125°C (257°F) or 105°C (222°F) | 125°C (257°F) | 125°C (257°F) | 150°C (302°F) | 150°C (302°F) | 150°C (302°F) | 150°C (302°F) |
| Pages | | 243, 244 | | 248 | 248 | 248 | 249 |

*Acceptable for 35A max. factory wiring only when used with 10AWG wire preterminated with suitable ring tongue terminals.













NEMA ETB Selector Chart (Continued)

| | Medium Duty Series 900 | | ERT Series | | | Heavy Duty Series 200 | | | |
|--|--|--|---|---|--|---|---|---|---|
| |  | |  | | |  | | | |
| | Medium Duty | | Medium Duty Radiation Resistant | | | Nylon or Polypropylene | | | |
| Mounting | Direct Mount Standard, Miniature & Breakaway Channels | | Standard and Breakaway Channels | | | Direct Mount or: Flat Base fits Miniature Channel. Dovetail Base fits Standard & Breakaway Channels | | | |
| AWG Wire Range | — #18-12 | | #22-8 | #22-8 | #10*, #22-14 | #18-6 smaller | #18-4 | #18-8 | #10 & smaller |
| Contact Types | Quick Connect | Tubular Quick Connect Combination | Tubular Clamp | Tubular Screw | Strap Screw | Tubular Clamp | Tubular Screw | Strap Clamp | Strap Screw |
| R= Shipped with screws raised B= Shipped with screws bottomed |  |  |  |  |  |  |  |  |  |
| Ampacity | 20A | 20A | 30A | 50A | 35A*, 15A | 65A | 85A | 50A | 35A |
| Voltage | 300 V | | 600 V | | | 600 V | | | |
| Center-to-Center Spacing | .375" [9.53] | | .375" [9.53] | | | .50" [12.70] | | | |
| Housing Material | PCT | | RYTON | | | Nylon or Polypropylene | | | |
| Flammability Rating | UL94V-0 | | UL94V-0 | | | UL94V-2 or UL94V-0 | | | |
| Max. Service Temperature | 150°C (302°F) | | 200°C (392°F) | | | 125°C (257°F) or 105°C (222°F) | | | |
| Pages | 248 | 249 | 250 | | | 257-264 | | | |



NEMA ETB Selector Chart (Continued)










| | Heavy Duty Series 200 | | | | Intermediate HD Series 800 | | Ultra Heavy Duty Series 400 | |
|--|--|--|--|--|--|--|--|--|
| |  | | | |  | |  | |
| | Phenolic | | | | Intermediate Heavy Duty | | Ultra Heavy Duty | |
| Mounting | Direct Mount or Standard & Breakaway Channels | | | | Direct Mount or Standard & Breakaway Channels | | Direct Mount or Standard & Breakaway Channels | |
| AWG Wire Range | #18-6 | #18-4 | #18-8 | #10 & smaller | #12-1/0 | | #12-2/0 kcmil (MCM) | |
| Contact Types | Tubular Clamp | Tubular Screw | Strap Clamp | Strap Screw | Tubular Screw | | Tubular Screw | Tubular Screw |
| R =Shipped with screws raised B =Shipped with screws bottomed |  B |  R |  B |  B |  B | |  R |  R |
| Ampacity | 65A | 85A | 50A | 35A | 150A | | 175A | 255A |
| Voltage | 600 V | | | | 600 V | | 600 V | |
| Center-to-Center Spacing | .56" [14.22] | | | | .75" [19.05] | | 1.19" [30.23] | |
| Housing Material | Phenolic | | | | Nylon | | Phenolic | |
| Flammability Rating | UL94V-1 | | | | UL94V-2 | | UL94V-1 | |
| Max. Service Temperature | 150°C (302°F) | | | | 125°C (257°F) | | 150°C (302°F) | |
| Pages | 265-270 | | | | 271-273 | | 274-277 | |

NEMA ETB Selector Chart (Continued)

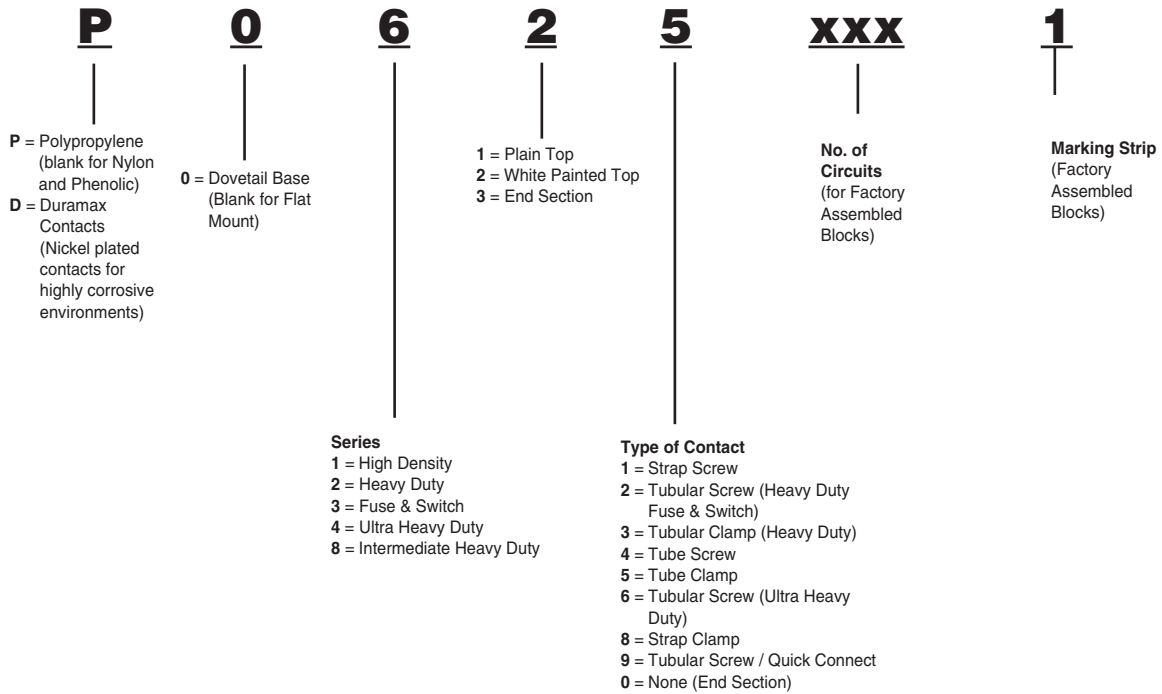
Fuse and Switch Series 300

One-Piece



| | Nylon or Polypropylene | | | Phenolic | | | One-Piece | | |
|--|--|--|--|--|--|---|--|--|--|
| Mounting | Direct Mount or Standard & Breakaway Channels | | | Direct Mount or Standard & Breakaway Channels | | | Direct Mount | | |
| AWG Wire Range | #18-8 | #18-8 | #8 | #18-8 & Smaller | #18-8 | #8 & Smaller | #6 | #8 | #8 |
| Contact Types | Tubular Screw | Strap Clamp | Strap Screw | Tubular Screw | Strap Clamp | Strap Screw | Tubular Clamp | Strap Clamp | Strap Screw |
| R =Shipped with screws raised B =Shipped with screws bottomed |  B |  B |  B |  B |  B |  B |  B |  B |  B |
| Ampacity | 15A Switch 30A Fuse | | | 15A Switch 30A Fuse | | | 70A | 50A | 50A |
| Voltage | 600 V | | | 600 V | | | 600 V | | |
| Center-to-Center Spacing | .75" [19.05] | | | .75" [19.05] | | | .63" [16.00] | | |
| Housing Material | Nylon or Polypropylene | | | Phenolic | | | Phenolic | | |
| Flammability Rating | UL94V-2 or UL94V-0 | | | UL94V-1 | | | UL94V-1 | | |
| Max. Service Temperature | 125°C (257°F) or 105°C (222°F) | | | 150°C (302°F) | | | 150°C (302°F) | | |
| Pages | 278-282 | | | 283-285 | | | 286-289 | | |

Catalog Numbering Code

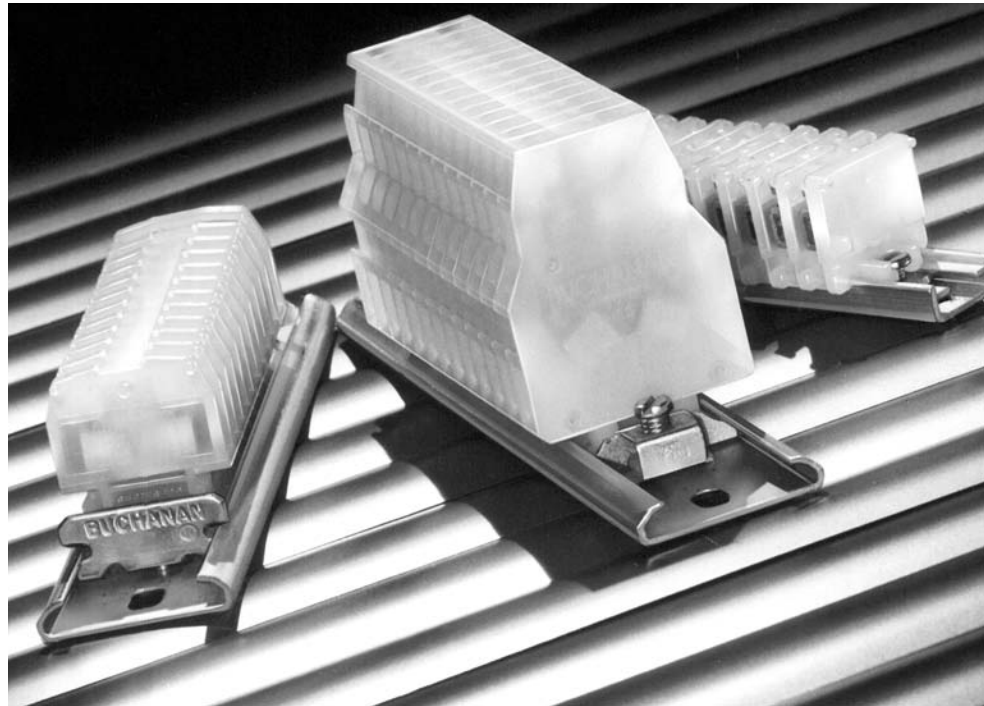


Note: Some catalog number combinations are not valid. Check appropriate catalog pages before ordering.

100 Series High Density Miniature Blocks

Product Facts

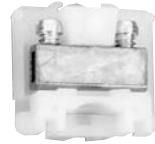
- **No Wire Crimping Required** — tubular clamp contacts hold wire ranging from #30 to #12 AWG better than crimp-on terminals.
- **Saves Installation Time and Costs** — tubular clamp contacts are supplied with captive screws backed out.
- **Nylon housing standard; polypropylene for fire retardant characteristics.**
- **Positive Stop** — helps prevent wire from being inserted too far, and helps prevent screw from being tightened on insulation. Easy access contact provides for safe, reliable, and cost-effective connection.
- **Quick Installation and Change** — additional sections may be added or removed without removing channel mounting screw.
- **Choice of Five Mounting Channels:**
 - Miniature aluminum
 - Zinc-plated steel
 - Pre-punched aluminum
 - Break-away steel
- **Single and Double Tier blocks fit all standard BUCHANAN mounting channels. Single Tier blocks fit both miniature and standard channels.**
- **Choice of Marking Surfaces** — matte-finish area for marking directly on block; slide-in vinyl strip (blank or preprinted) also available.



These miniature terminal blocks fit on a much smaller channel to save valuable panel space or can be surface mounted directly to the panel. Miniature blocks accept wire as large as #12 AWG and are available in four styles: Miniature (nylon), Miniature (polypropylene), Single Tier and Double Tier.



100 Series High Density Miniature Blocks



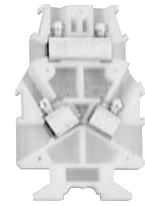
Miniature Nylon



Miniature Polypropylene



Single Tier



Double Tier

Characteristics

| Type of Block | Model | Part Number | Model | Part Number | Model | Part Number | Model | Part Number |
|--|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Standard Block | 125-BU | 2-1437392-3 | P125 | 4-1437392-7 | 115-BU | 1437381-5 | 105-BU | 1-1437392-7 |
| Corrosion Resistant (nickel plated contacts) | D125 | 3-1437389-3 | DP125 | 7-1437389-1 | D115 | 3-1437389-2 | D105 | 2-1437392-9 |
| Specifications | | | | | | | | |
| Housing Material | Nylon | — | Polypropylene | — | Nylon | — | Nylon | — |
| Max. Service Temperature | 125°C (257°F) | — | 105°C (221°F) | — | 125°C (257°F) | — | 125°C (257°F) | — |
| Flammability | UL94V-2 | — | UL94V-0 | — | UL94V-2 | — | UL94V-2 | — |
| Wire Strip Length (in.) | 5/16 | — | 5/16 | — | 5/16 | — | 5/16 | — |
| Torque, in-lbs. | 6-9 | — | 6-9 | — | 6-9 | — | 6-9 | — |
| Electrical Characteristics | | | | | | | | |
| UL Rating | 28 A @ 300V | — | 28 A @ 300V | — | 20 A @ 600V | — | 20 A @ 600V | — |
| Wire Range (solid & stranded) | 30-12 | — | 30-12 | — | 30-12 | — | 30-12 | — |
| Spacing | | | | | | | | |
| Pitch | 0.25" | — | 0.25" | — | 0.25" | — | 0.24" | — |
| Terminals per Foot | 48 | — | 48 | — | 48 | — | 102 | — |
| Accessories | | | | | | | | |
| End Section (gray) | 130-BU | 2-1437392-5 | P130 | 4-1437392-9 | 120 | 2-1437392-1 | 110-BU | 1-1437392-8 |
| Jumper, 2 pole | 10 | 1437381-1 | 10 | 1437381-1 | 10 | 1437381-1 | — | — |
| Jumper, 10 pole | — | — | — | — | — | — | J10 | 3-1437392-1 |
| Jumper, Inter-tier | — | — | — | — | — | — | J2-BU | 3-1437392-2 |
| Mounting Channel | | | | | | | | |
| Miniature (3ft) | 12 | 1437381-8 | 12 | 1437381-8 | 12 | 1437381-8 | — | — |
| Steel, Zinc plated (6ft) | — | — | — | — | 60 | 9-1437381-1 | 60 | 9-1437381-1 |
| Steel, Zinc plated (3ft) | — | — | — | — | 63-BU | 9-1437381-8 | 63-BU | 9-1437381-8 |
| Breakaway, steel | — | — | — | — | 60B36 | 9-1437381-2 | 60B36 | 9-1437381-2 |
| Pre-punched aluminum (6ft) | — | — | — | — | 64 | 9-1437381-9 | 64 | 9-1437381-9 |
| Pre-punched aluminum (3ft) | — | — | — | — | 67 | 1437382-2 | 67 | 1437382-2 |
| Channel Clamps | | | | | | | | |
| Miniature (use w/#12 channel) | 11 | 1437381-4 | 11 | 1437381-4 | 11 | 1437381-4 | — | — |
| Universal | — | — | — | — | 68 | 1437382-3 | 68 | 1437382-3 |

Electronics

100 Series High Density Miniature Blocks Accessories

Channel Clamps

Marking Accessories



| Screw Steel Channel | Universal | Snap-in | Miniature for #12 Channel | See-thru Cover | Ganging Rod | Miniature Vinyl Marking Strips | Elevated Marking Strip | Nylon Holding Plug |
|----------------------------|----------------------------|----------------------------|---------------------------|--------------------------|--------------------------|---|---|--------------------------|
| Part Number | | | | | | | | |
| 9-1437381-5 | 1437382-3 | 9-1437381-7 | 1437381-4 | 1-1437381-0 | 1-1437381-1 | 1-1437381-2 | 4-1437381-1 | 1-1437381-3 |
| Catalog Number | | | | | | | | |
| 61 | 68 | 62 | 11 | 13 | 14 | 15 | 52-BU | 16 |
| Available For | | | | | | | | |
| Single Tier Double Tier | Single Tier Double Tier | Single Tier Double Tier | Miniature Single Tier | Miniature Single Tier | Miniature Single Tier | Miniature Single Tier Double Tier | Miniature Single Tier Double Tier | Miniature Single Tier |
| Standard Length | | | | | | | | |
| — | — | — | — | — | 2 feet | 25 feet | 18 inches | — |

Factory Assembled Blocks

| Description | Direct Mount | Channel Mount |
|---------------------------|------------------|-------------------|
| Miniature (nylon) | 125xx | 0125xx |
| | D125xx (nickel) | D0125xx (nickel) |
| Single Tier (nylon) | 115xx | 0115xx |
| | D115xx (nickel) | D0115xx (nickel) |
| Double Tier (nylon) | 105xx | 0105xx |
| | D105xx (nickel) | D0105xx (nickel) |
| Miniature (polypropylene) | P125xx | P0125xx |
| | DP125xx (nickel) | DP0125xx (nickel) |

Note: xx = number of blocks desired. For factory assembled blocks with removable marking strip, add "-1" to Catalog Number. Minimum order quantities may apply.

Related Product Data

Wire Pins and Ferrules—Pages 108-110

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



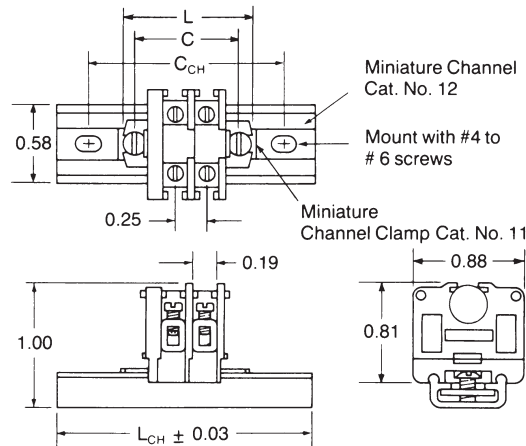
Miniature Blocks

Miniature

$C = .29 [7.37] + (.25 [6.35] \times N)$
 $L = .51 [12.95] + (.25 [6.35] \times N)$

On Miniature Channel:

$C_{CH} = 1.00 [25.4] + (.25 [6.35] \times A)$
 $L_{CH} = 1.35 [34.29] + (.25 [6.35] \times A)$
 A = N when N is even
 A = N + 1 when N is Odd
 N = No. of Miniature Sections

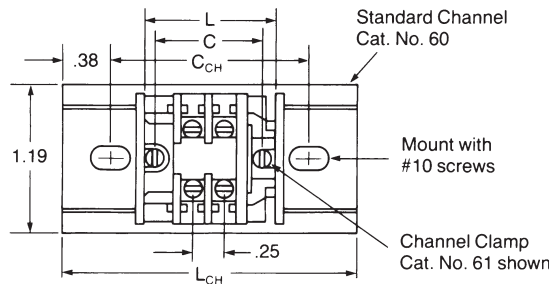


Single Tier

$C = .35 [8.89] + (.25 [6.35] \times N)$
 $L = .50 [12.7] + (.25 [6.35] \times N)$

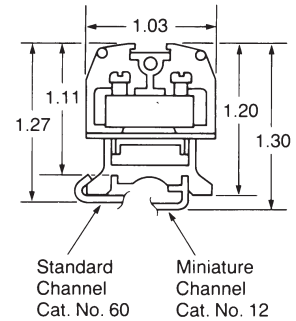
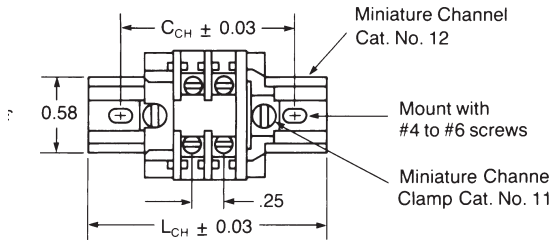
On Standard Channel:

$C_{CH} = 2.00 [50.8] + (.25 [6.35] \times N)$
 $L_{CH} = 2.75 [69.85] + (.25 [6.35] \times N)$
 N = No. of Single Tier Sections



On Miniature Channel:

$C_{CH} = 1.00 [25.4] + (.25 [6.35] \times A)$
 $L_{CH} = 1.35 [34.29] + (.25 [6.35] \times A)$
 A = N when N is Even
 A = N + 1 when N is Odd
 N = No. of Single Tier Sections

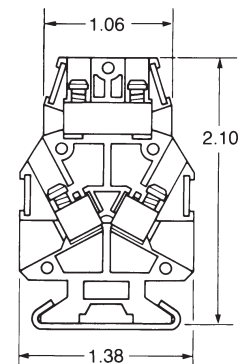
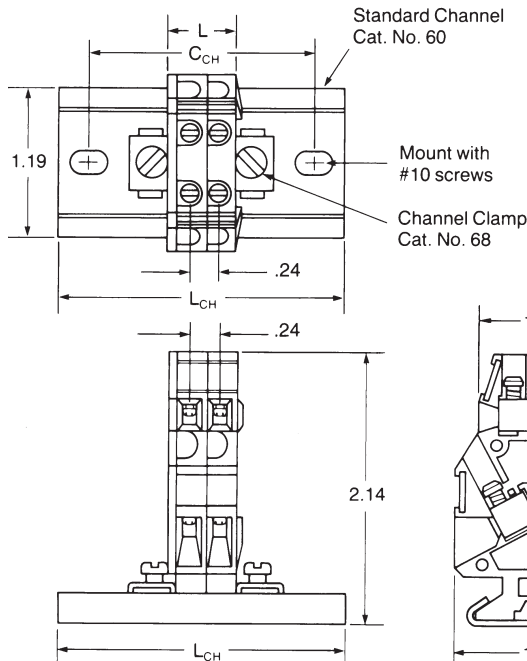


Double Tier

$L = .08 [2.03] + (.24 [6.10] \times N)$

On Miniature Channel:

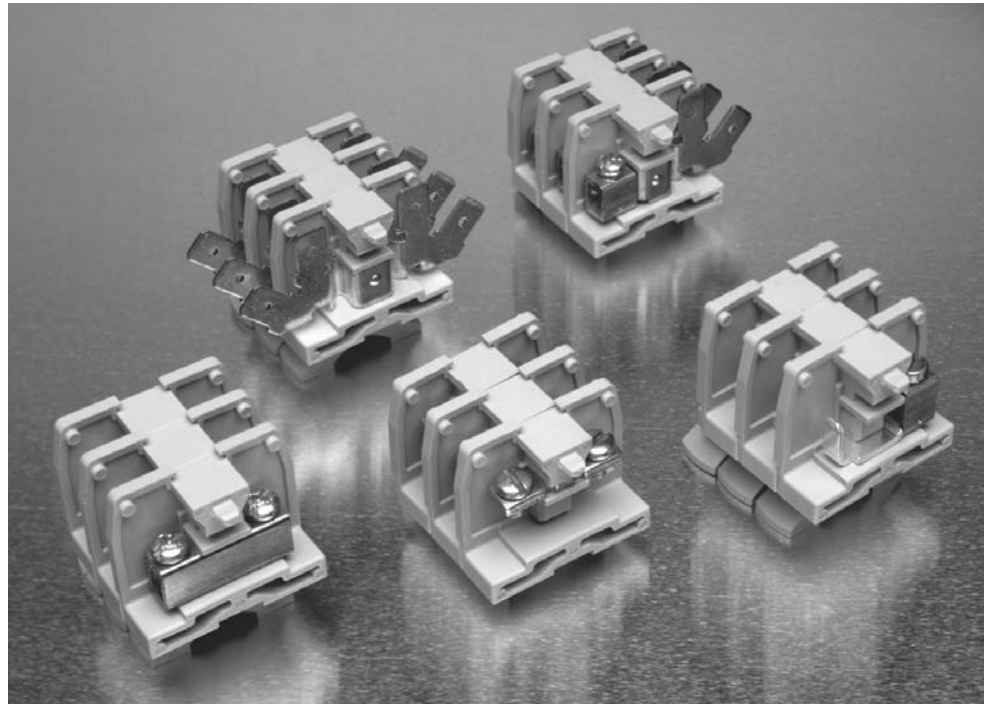
$C_{CH} = 1.58 [2.03] + (.24 [6.10] \times A)$
 $L_{CH} = 2.33 [59.18] + (.24 [6.10] \times A)$
 N = No. of Double Tier Sections



900 Series, Medium Duty

Product Facts

- High circuit density - 183 circuits per 6-foot length, 3/8 inch pitch.
- Choice of five contact styles - tubular clamp, tubular screw, strap screw, quick connect and tubular screw quick connect.
- Sections snap-fit with Heavy Duty, Intermediate Heavy Duty, and Fuse & Switch blocks.
- Readily identify circuits - mark directly on block sections or use removable marking strip. Preprinted marking strips also available.
- Rated up to 50 amperes per circuit.
- Flat base models mount directly to surfaces or on miniature channel. Dovetail base mounts on standard size channel.
- Packaged for rapid handling and assembly - 100 per carton.
- Only one end section needed per block assembly.
- Fanning strips - interlocking sectional fanning strips allow entire circuit groups to be connected and disconnected as a single unit.
- Factory assembled blocks available, including marking strips and different contact sections.



NEMA 900 Series is available in .375" [9.53] centerline, in direct or channel mount, tubular or strap versions, and screw, clamp or quick connect configurations. Corrosion-resistant versions are also available.

NEMA 900 Series snap fit with the Medium Duty 500, 600 and 700 Series, as well as with the Heavy Duty, Intermediate Heavy Duty and Fuse & Switch blocks.



900 Series, 600V Medium Duty, 0.375" [9.53] Pitch



Characteristics

Strap Screw

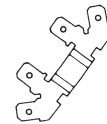
Tubular Screw

Tubular Clamp

Quick Connect

| Type of Block | Model | Part Number | Model | Part Number | Model | Part Number | Model | Part Number |
|--------------------------------------|-------|-------------|-------|-------------|-------|-------------|-------|-------------|
| Direct Mount (Flat Base) | | | | | | | | |
| Standard | 921 | 1546143-1 | 924 | 1546147-1 | 925 | 1546234-1 | 927 | 1546149-1 |
| Corrosion Resistant (Duramax) | D921 | 1546143-2 | D924 | 1546147-2 | D925 | 1546234-2 | — | — |
| Channel Mount (Dovetail Base) | | | | | | | | |
| Standard | 0921 | 1546144-1 | 0924 | 1546148-1 | 0925 | 1546235-1 | 0927 | 1546150-1 |
| (Duramax) | D0921 | 1546144-2 | D0924 | 1546148-2 | D0925 | 1546235-2 | — | — |

Contact Type



Specifications

| | | | | |
|-----------------------------------|-------------------|----------------|------------------------|------|
| Wire Range (AWG) Solid & Stranded | 10*, 22-14 | 22-8 | 22-8 | — |
| Wire Strip Length (in.) | — | 11/32 | 11/32 | — |
| Screw Type | 6-32 Binding Head | 10-32 Pan Head | 10-32 Slotted Pan Head | — |
| Ampacity | 35 A*, 15A | 50 A | 30 A | 20 A |

End Sections

| | | | | | | | | |
|---------------|------|-----------|------|-----------|------|-----------|------|-----------|
| Direct Mount | 930 | 1546163-1 | 930 | 1546163-1 | 930 | 1546163-1 | 930 | 1546163-1 |
| Channel Mount | 0930 | 1546164-1 | 0930 | 1546164-1 | 0930 | 1546164-1 | 0930 | 1546164-1 |

*Acceptable for 35A max. factory wiring only when used with 10AWG wire preterminated with suitable ring tongue terminals.
Note: Standard package is 100 pieces for contact, 25 pieces for end section.

Comparison (Type of Block)



Direct Mount (Flat Base)



Channel Mount (Dovetail Base)



900 Series, 600V Medium Duty, 0.375" [9.53] Pitch (Continued)



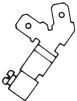
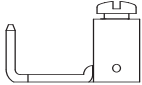
Tubular Screw & Quick Connect



Tubular Clamp with Blade

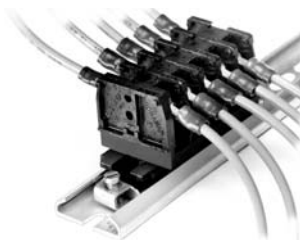


Tubular Clamp with Cantilever

| Model | Part Number | Model | Part Number | Model | Part Number |
|---|-------------|---|-------------|--------------------|-------------|
| 929 | 1546151-1 | — | — | — | — |
| — | — | — | — | — | — |
| 0929 | 1546152-1 | BP035M | 3-1437394-6 | BP35F | 3-1437394-7 |
| — | — | — | — | — | — |
|  | |  | | | |
| 18-12 | | 22-10 | | 22-10 | |
| — | | 11/32 | | 11/32 | |
| — | | 10-32 Phil-slot | | 10-32 Phil-slot | |
| 20 A | | 30 A | | 30 A | |
| 930 | 1546163-1 | — | — | — | — |
| 0930 | 1546164-1 | 0930 | 1546164-1 | — | — |



ERT Series, Medium Duty Radiation Resistant

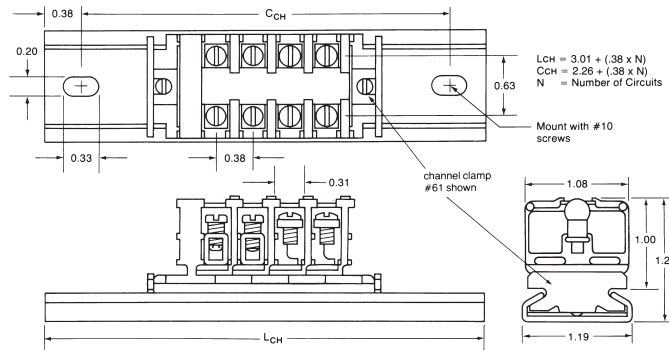


Physical Properties
Effect of Radiation on Physical Properties

The effects of radiation (neutron and gamma particles) on RYTON R-4 material have been studied. Since RYTON, as an engineering plastic, may fill applications in nuclear installations these effects are important. The test results show no effects on physical properties by these relatively high exposures to gamma and neutron radiation. There is no indication from these data of crosslinking or degradation of the RYTON R-4 material.

Note: Determination of the suitability of the ERT Series Blocks for particular applications rests solely with customers.

DOVETAIL BASE MOUNTED ON STANDARD #60 CHANNEL



| Description | Catalog Number | Part Number |
|---------------|----------------|-------------|
| Strap Screw | 0721ERT | 1437394-9 |
| Tubular Clamp | 0725ERT | 1-1437394-6 |
| Tubular Screw | 0724ERT | 1-1437394-1 |
| End Section | 0730ERT | 2-1437394-0 |

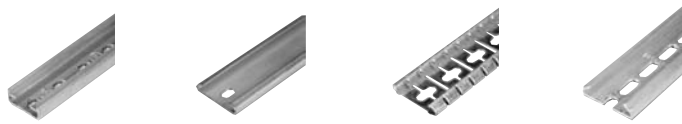
| Housing: RYTON (Polyphenylene Sulfide) | | ASTM Test |
|--|--------------------------------------|----------------------------|
| Density | 100 lbs./ft.3 | D1505-68 |
| Tensile Strength | 19,500 psi | D638-72 |
| Elongation | 1.3% | D638-72 |
| Flexural Modulus | 1,700,000 psi | D790-91 |
| Flexural Strength | 29,000 psi | D790-91 |
| Compressive Strength | 21,000 psi | D695-69 |
| Izod Impact Strength | | |
| Unnotched, 1/8" Specimen | 8.0 ft. lbs./in. | |
| Notched, 1/8" Specimen | 1.4 ft. lbs./in. | |
| Rockwell Hardness | R-123 | D785-65 |
| Water Absorption | 0.05% | D570-63 |
| Heat Distortion Temp. @ 264 psi | 500°F | D648-72 |
| Specific Heat, 24 hrs. @ 25°C | 0.25 btu/lb./°F | |
| Thermal Conductivity | 2.0 btu-in./h-ft.2 F | |
| Coefficient/Linear Thermal Exp. | 2.5 x 10-5 in./in./° F | |
| Flammability, UL 94 | V-0 | |
| Dielectric Strength | 350 volts/mil | D149-64 |
| Dielectric Constant, 25°C 1 kHz | 3.9 | D150-70 |
| 1MHz | 3.8 | |
| Dissipation Factor, 25°C 1kHz | 0.0010 | D150-70 |
| 1MHz | 0.0013 | |
| Conditions | | |
| Temperature | In Reactor Core 35°C | In Water Pool 30°C |
| Radiation | Mainly neutrons | Mainly gamma |
| Intensity | 1010 ergs g-1 (C) | 109 ergs g-1 (C) |
| Used Particle Detectors | Calorimeter and activation detectors | Ionization chamber |
| Radiation Dose | | |
| | Flexural Strength psi | Modulus of Elasticity, psi |
| 0 | 28,700 | 1,900,000 |
| A. Neutron | | |
| 5 x 10 rad | 29,000 | 1,910,000 |
| 1 x 10 rad | 28,900 | 1,880,000 |
| B. Gamma | | |
| 5 x 10 rad | 29,700 | 1,810,000 |
| 1 x 10 rad | 30,200 | 1,840,000 |
| 5 x 10 rad | 28,500 | 1,820,000 |

RYTON is a registered trademark of Chevron Phillips Chemical Company.



Medium Duty Accessories

Mounting Channel



| Miniature | | Steel Channel | | Break Away Steel | | Pre-punched Aluminum Channel | |
|------------------------|----------------|----------------------------|----------------|------------------|----------------|------------------------------|----------------|
| Part Number | Catalog Number | Part Number | Catalog Number | Part Number | Catalog Number | Part Number | Catalog Number |
| 1437381-8 | 12 | 9-1437381-1 9-1437381-8 | 60 63-BU | 9-1437381-2 | 60-B-36 | 9-1437381-9 1437382-2 | 64 67 |
| Standard Length | | | | | | | |
| 3 feet | | 6 feet 3 feet | | 3 feet | | 6 feet 3 feet | |

Channel Clamps



| Screw Channel Clamps | Universal Clamps | Snap-In Clamps | Miniature for #12 Channel | See-thru Cover | Ganging Rod | Polarizing Plug |
|------------------------|------------------|----------------|---------------------------|----------------|-------------|-----------------|
| Part Number | | | | | | |
| 9-1437381-5 | 1437382-3 | 9-1437381-7 | 1437381-4 | 1-1437382-2 | 3-1437381-9 | 2-1437382-5 |
| Catalog Number | | | | | | |
| 61 | 68 | 62 | 11 | 71 | 30-BU | 84 |
| Standard Length | | | | | | |
| — | — | — | — | — | 2 feet | — |

Jumpers



| Jumper for tubular Contacts | Snap-apart for Tubular Contacts |
|-----------------------------|---------------------------------|
| Part Number | |
| 1437382-6 | 1-1437382-3 |
| Catalog Number | |
| 70 | 73 |

Related Product Data

Wire Pins and Ferrules—Pages 108-110
 For more information on AMP Standard Terminals and Splices or Quick-Connect FASTON Receptacles and Tabs, request Catalog 82042.

Medium Duty Accessories (Continued)

Marking Accessories



| Plastic Cloth Tape | Plastic Cloth Tape | Vinyl Marking Strips | Elevated Marking Strip | Nylon Holding Plug |
|------------------------|--------------------|----------------------|------------------------|--------------------|
| Part Number | | | | |
| 1437382-1 | 8-1437381-0 | 6-1437381-3 | 4-1437391-1 | 4-1437393-0 |
| Catalog Number | | | | |
| 66 | 55-BU | 50-BU | 52-BU | 65-BU |
| Standard Length | | | | |
| — | 50 feet | 25 feet | 18 inches | — |

Sectional Fanning Strips



Strap Screw

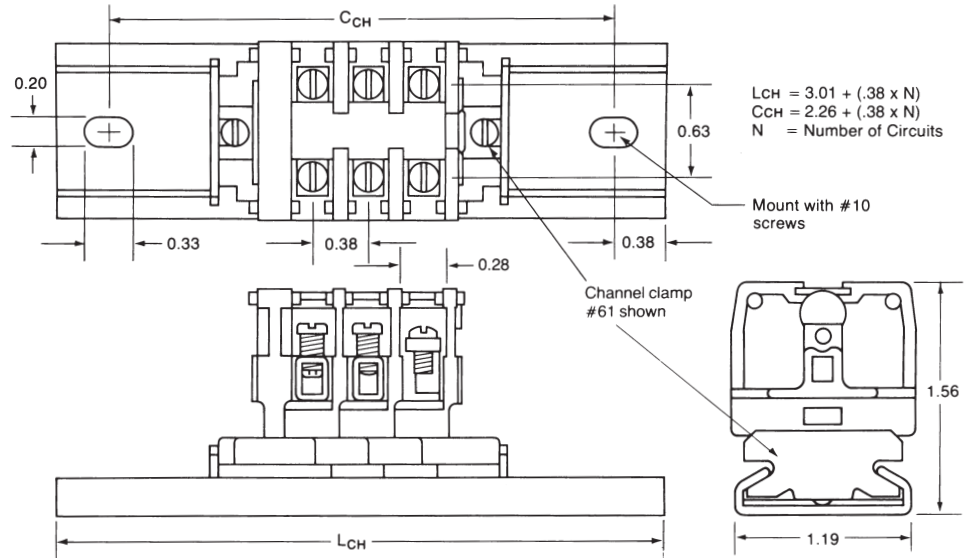


Tubular Screw

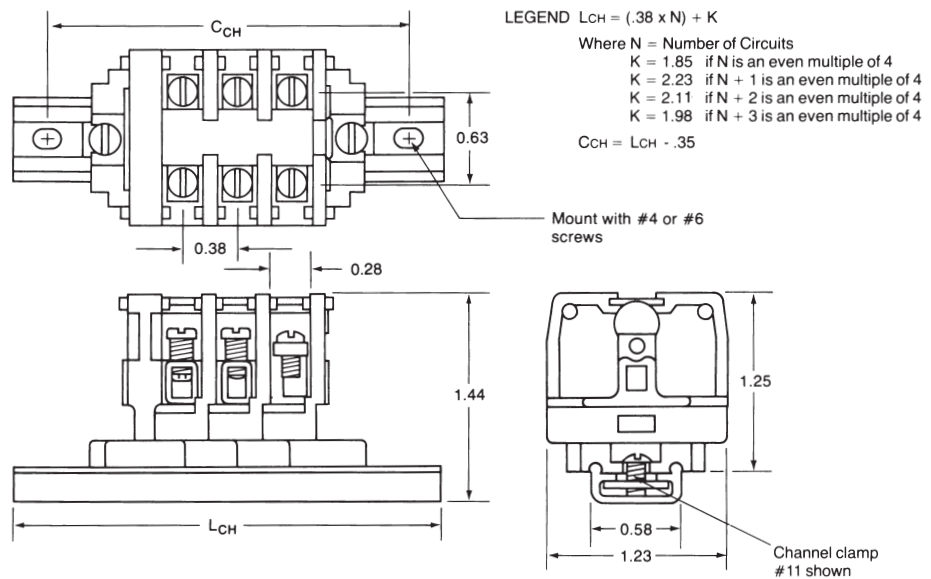
| Description | Standard Package | Part No. | Catalog No. |
|--------------------------|------------------|-------------|-------------|
| Tubular Screw | 50 | 1-1437382-4 | 74 |
| Strap Screw | 50 | 1-1437382-7 | 78-TB |
| Molding Only, no contact | 50 | 4-1437393-1 | 74100 |

Medium Duty Channel Mount

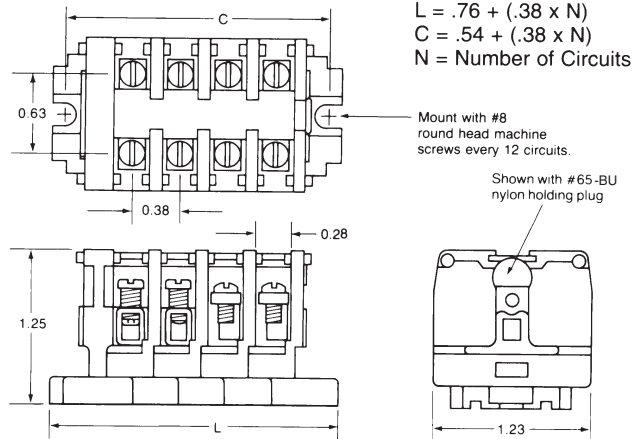
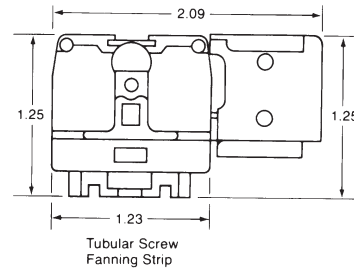
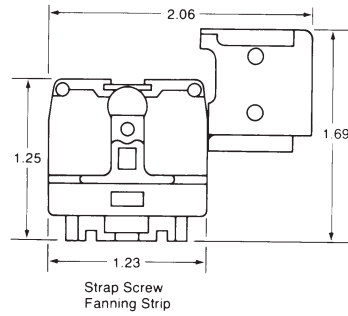
Dovetail Base Mounted On Standard #60 Channel



Flat Base Mounted On Miniature #12 Channel

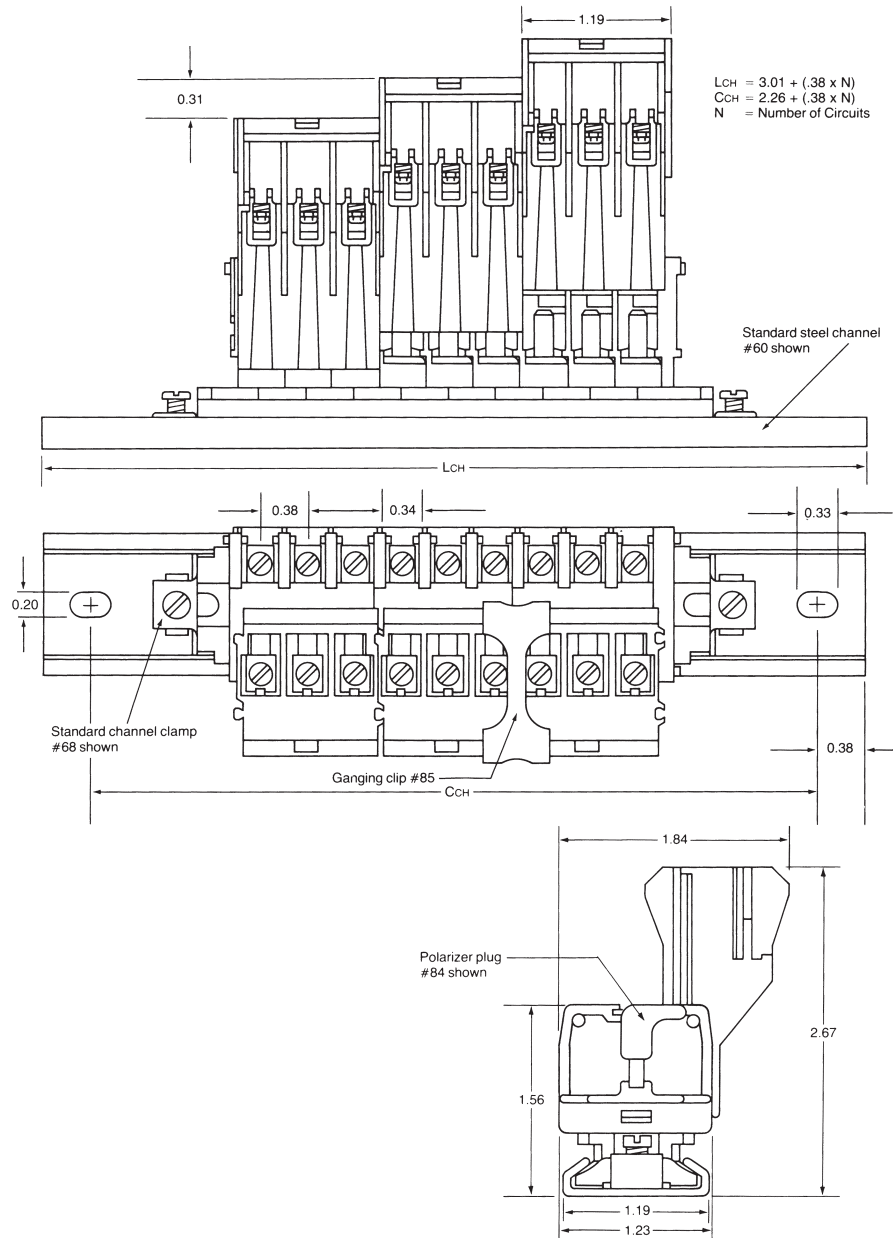


900 Series, Flat Base



BP Series, Plug-in Blocks

Dovetail Base Mounted On Standard #60 Channel



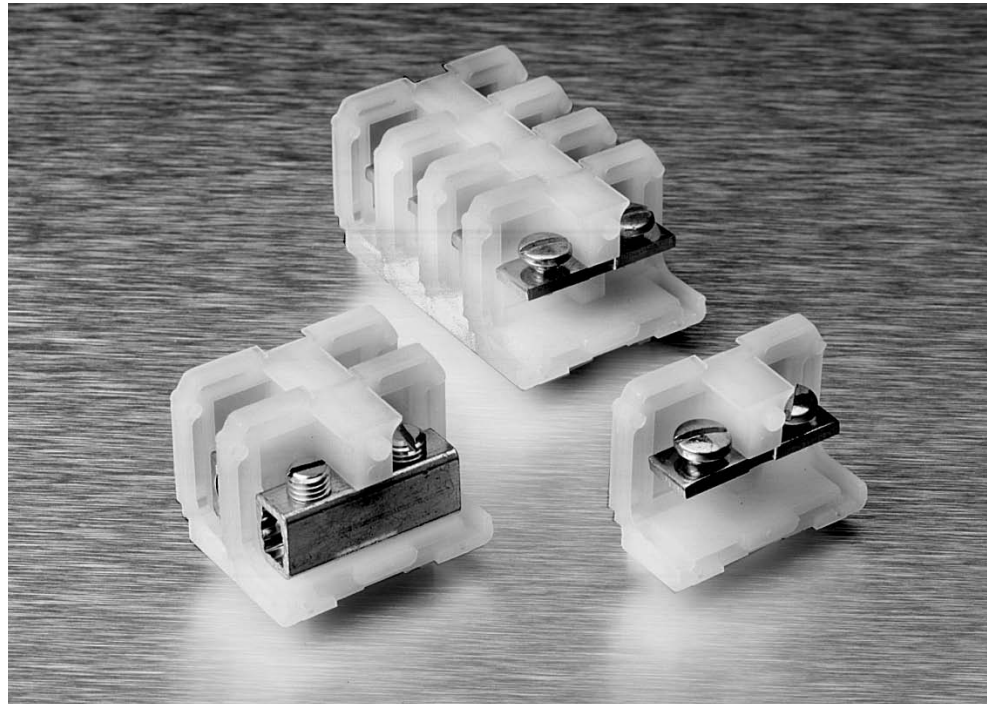
Engineering Notes

A large grid area for writing engineering notes, consisting of a uniform grid of small squares covering most of the page.

200 Series Heavy Duty

Product Facts

- Choose from 5 different contact styles.
- 600 volt UL and NEMA rating.
- Conservatively rated from 50 to 90 amperes per circuit, depending on which contact style is selected.
- Choose any of three mounting methods — two-way flat base models surface mount directly to the panel or snap-on miniature channel. Dovetail base models mount on standard channel.
- Packaged for rapid handling and assembly — snap-fit sections are packed 10 per carton.
- Only one end section needed per block assembly.
- Readily identify circuits — mark directly on block sections or use removable marking strip. Pre-printed strips are also available.

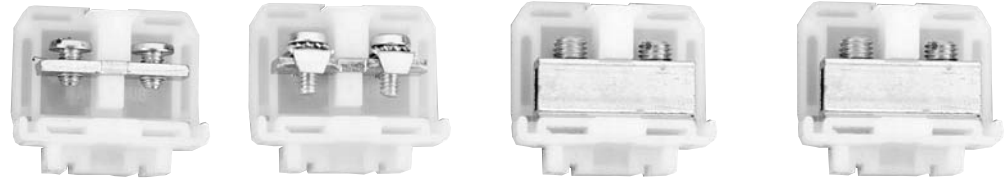


This compact, heavy duty block line accepts single or combination wires up to #4 AWG, solid or stranded. The compact design allows at least 138 circuits per 6-foot length to be mounted. The pitch of this 600 volt block is 0.50" [12.70] (centerline spacing).

NEMA Terminal Blocks **6**



200 Series, Heavy Duty, 600V, 0.50" [1.27] Pitch



Characteristics

Strap Screw

Strap Clamp

Tubular Screw

Tubular Clamp

| Type of Block | Model | Part Number | Model | Part Number | Model | Part Number | Model | Part Number |
|--------------------------------------|-------|-------------|-------|-------------|-------|-------------|----------|-------------|
| Direct Mount (Flat Base) | | | | | | | | |
| Nylon, Unpainted | 241 | 3-1437390-9 | 248 | 4-1437390-2 | 242 | 4-1437390-0 | 243 | 4-1437390-1 |
| Polypropylene | P241 | 6-1437390-5 | P248 | 6-1437390-8 | P242 | 6-1437390-6 | P243 | 6-1437390-7 |
| Channel Mount (Dovetail Base) | | | | | | | | |
| Nylon, Painted | 0241 | 1-1437390-6 | 0248 | 2-1437390-4 | 0242 | 2-1437390-0 | 0243 | 2-1437390-1 |
| Polypropylene | P0241 | 5-1437390-9 | P0248 | 6-1437390-3 | P0242 | 6-1437390-0 | P0243-BU | 6-1437390-2 |

Contact Type



Specifications

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

End Sections

| | | | | | | | | |
|------------------------------|-------|-------------|-------|-------------|-------|-------------|-------|-------------|
| Direct Mount, Nylon | 250 | 4-1437390-3 | 250 | 4-1437390-3 | 250 | 4-1437390-3 | 250 | 4-1437390-3 |
| Direct Mount, Polypropylene | P250 | 6-1437390-6 | P250 | 6-1437390-6 | P250 | 6-1437390-6 | P250 | 6-1437390-6 |
| Channel Mount, Nylon | 0250 | 2-1437390-5 | 0250 | 2-1437390-5 | 0250 | 2-1437390-5 | 0250 | 2-1437390-5 |
| Channel Mount, Polypropylene | P0250 | 6-1437390-4 | P0250 | 6-1437390-4 | P0250 | 6-1437390-4 | P0250 | 6-1437390-4 |

Notes:

For factory assembled blocks, suffix Catalog Number with number of blocks desired. See page 262-264 for dimensions and other details. (Maximum number of flat base preassembled sections is 12). Example: Ten tubular clamp, dovetail based sections, preassembled on channel = 024310

Example: Twelve polypropylene strap clamp flat base sections = P24812

For unpainted 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 Technical Support.

Comparison (Type of Block)



**Direct Mount
(Flat Base)**



**Channel Mount
(Dovetail Base)**



200 Series, Heavy Duty, 600V, 0.50" [1.27] Pitch (Continued)



Corrosion Resistant Strap Screw



Corrosion Resistant Tubular Screw

| Model | Part Number |
|--------|-------------|
| D241 | 4-1437389-0 |
| DP241 | 1776721-1 |
| D0241 | 1776722-1 |
| DP0241 | 6-1437389-0 |

| Model | Part Number |
|--------|-------------|
| D242 | 4-1437389-1 |
| DP242 | 1776723-1 |
| D0242 | 1776724-1 |
| DP0242 | 1776724-2 |



| |
|----------------------------------|
| 22-10 |
| — |
| 10-32 Nickel plated binding head |
| 35 A |

| |
|--------------------------------|
| 18-4 |
| 1/2 |
| 1/4-28 Nickel plated set screw |
| 85 A |

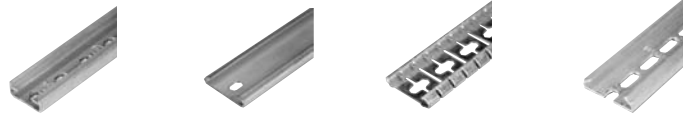
| | |
|-------|-------------|
| 250 | 4-1437390-3 |
| P250 | 6-1437390-6 |
| O250 | 2-1437390-5 |
| P0250 | 6-1437390-4 |

| | |
|-------|-------------|
| 250 | 4-1437390-3 |
| P250 | 6-1437390-6 |
| O250 | 2-1437390-5 |
| P0250 | 6-1437390-4 |



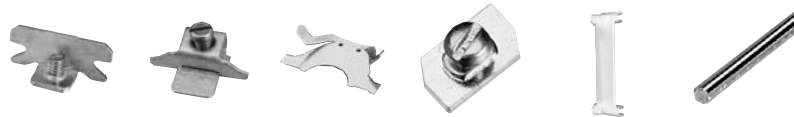
200 Series Heavy Duty Accessories

Mounting Channel



| Miniature | | Steel Channel | | Break Away Steel | | Pre-punched Aluminum Channel | |
|------------------------|----------------|----------------------------|----------------|------------------|----------------|------------------------------|----------------|
| Part Number | Catalog Number | Part Number | Catalog Number | Part Number | Catalog Number | Part Number | Catalog Number |
| 1437381-8 | 12 | 9-1437381-1 9-1437381-8 | 60 63-BU | 9-1437381-2 | 60-B-36 | 9-1437381-9 1437382-2 | 64 67 |
| Standard Length | | | | | | | |
| 3 feet | | 6 feet 3 feet | | 3 feet | | 6 feet 3 feet | |

Channel Clamps



| Screw Channel Clamps | Universal Clamps | Snap-In Clamps | Miniature for #12 Channel | See-thru Cover | Ganging Rod |
|------------------------|------------------|----------------|---------------------------|----------------|-------------|
| Part Number | | | | | |
| 9-1437381-5 | 1437382-3 | 9-1437381-7 | 1437381-4 | 1-1437381-6 | 3-1437381-9 |
| Catalog Number | | | | | |
| 61 | 68 | 62 | 11 | 23-BU | 30-BU |
| Standard Length | | | | | |
| — | | | | | 2 feet |

Marking Accessories

Jumpers



| Plastic Cloth Tape | Plastic Cloth Tape | Vinyl Marking Strips | Elevated Marking Strip | Nylon Holding Plug | Jumper for Tubular Contacts | Snap-Apart for Tubular Contacts |
|------------------------|--------------------|----------------------|------------------------|--------------------|-----------------------------|---------------------------------|
| Part Number | | | | | | |
| 8-1437381-1 | 8-1437381-0 | 6-1437381-3 | 4-1437391-1 | 4-1437393-0 | 2-1437393-4 | 1-1437382-5 |
| Catalog Number | | | | | | |
| 56 | 55-BU | 50-BU | 52-BU | 65-BU | 42-BU | 75 |
| Standard Length | | | | | | |
| — | | 50 feet | 25 feet | 18 inches | — | |
| | | | | | | 12 ckt |

Related Product Data

Wire Pins and Ferrules—Pages 132-134
For more information on AMP Standard Terminals and Splices or Quick-Connect FASTON Receptacles and Tabs, request Catalog 82042.



200 Series Heavy Duty Specifications

Material & Finish

Voltage Rating: Blocks meet 600 volt creepage and clearance requirements of NEMA, UL and CSA for general industrial control equipment and panelboards. Withstand voltages greatly in excess of IEEE switchgear standards for 750 volts.

Ampacity: For a single #4 AWG wire the maximum amperage recommended is 85 amps.

Standard Contacts:

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

AL-CU Tubular Screw: Aluminum compatibility with aluminum or copper conductors. AL-CU is tin-plated brass.

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.

Nylon Housing:

Material—Nylon; Unfilled Type 6/6

Max. Continuous Temperature—125°C [257°F]

Breakdown Voltage (AC, 60 Hz)—

Contact-to-Contact: 7000V

Contact-to-Ground: 7800V

Dielectric Strength (RH 40% at Sea Level)—470-385 Volts/mil thickness Per ASTM D149

UL High Voltage Arc Tracking (inches/min.)—.01-.35

Water Absorption (24 hrs. % wt. gain)—1.5%

Flammability—UL94V-2

Chemical Resistance—Resistant to aromatic hydrocarbons, strong alkalies Per ASTM D543

Radiation Resistance (ergs g-1 (C))—8 x 10⁷

Color—Translucent White

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 4 #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

Polypropylene Housing:

Material—Polypropylene; Filled self-extinguishing

Max. Continuous Temperature—105°C (221°F)

Breakdown Voltage (AC, 60Hz)—

Contact-to-Ground: 7800V

Contact-to-Contact: 7000V

Dielectric Strength (RH 40% at Sea Level)—500 Volts/mil thickness Per ASTM D149

UL High Voltage Arc Tracking (inches/min.)—Did not Track

Water Absorption (24 hrs. % wt. gain)—0.02% Per ASTM D570

Flammability—UL94V-0

Chemical Resistance—Resistant to most acids, alkalines, and saline solutions. Also resistant to higher aliphatic solvents and polar substances per ASTM D543

Radiation Resistance (ergs g-1 (C))—No data Available

Color—Opaque White



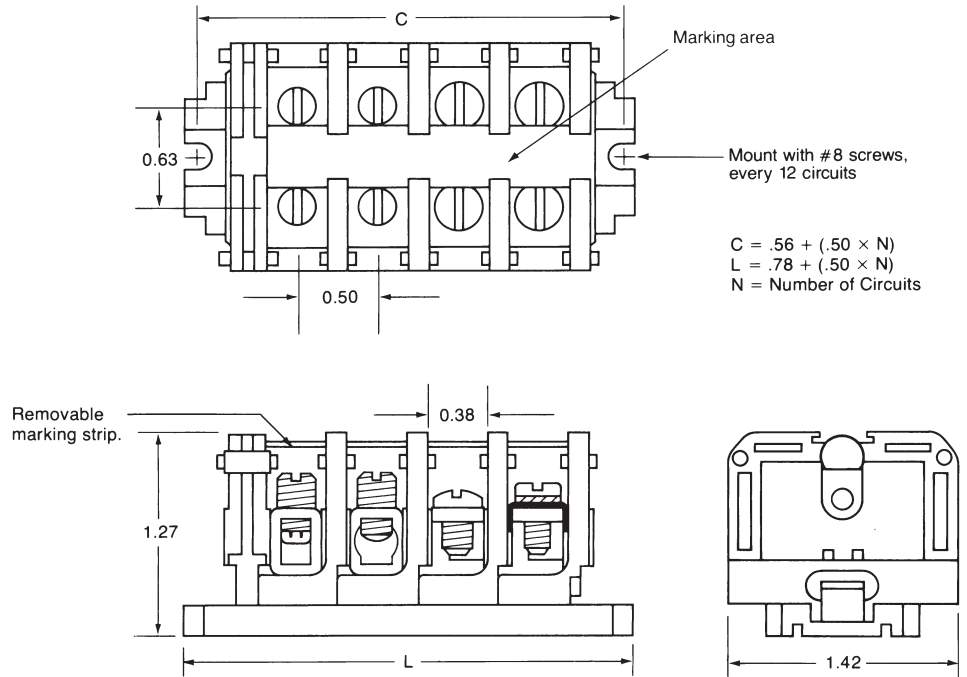
LR25557



E63810

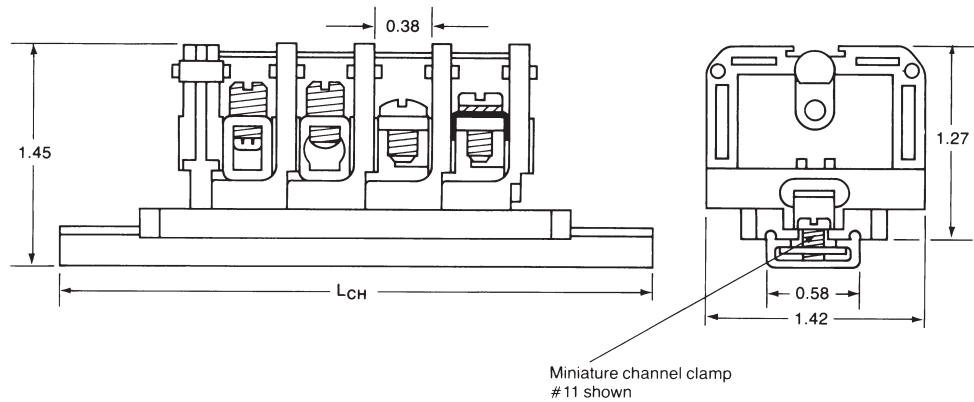
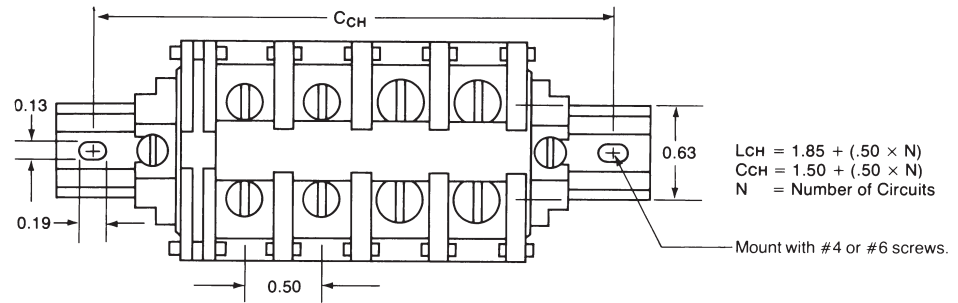
200 Series, 600 Volt, Direct Mount

Flat Base



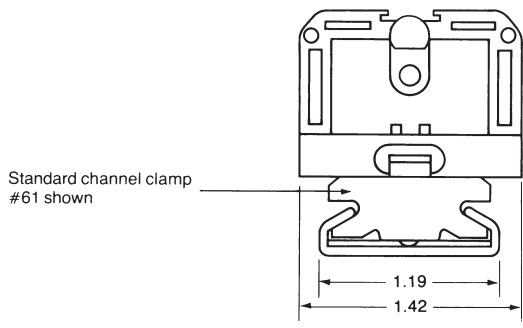
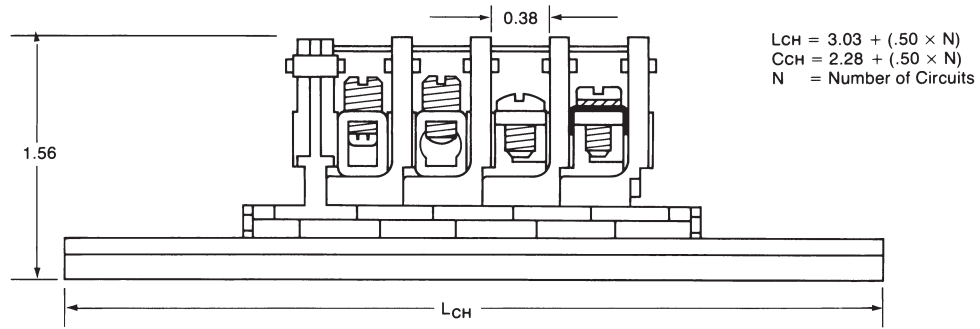
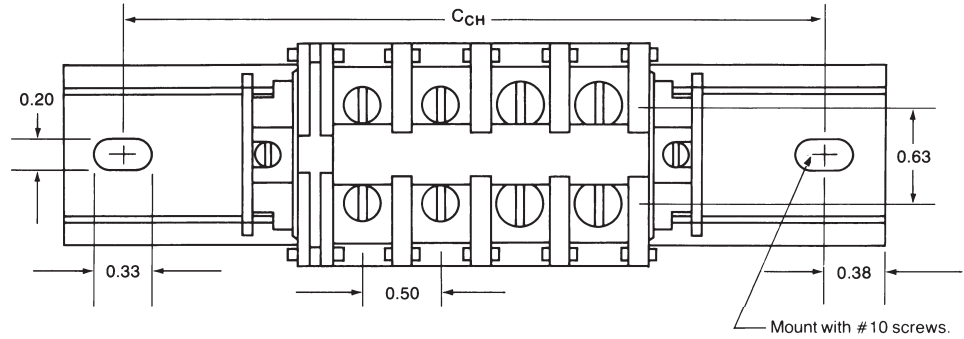
200 Series, 600 Volt, Channel Mount

Flat Base Mounted On #12 Miniature Channel



200 Series, 600 Volt, Channel Mount (Standard)

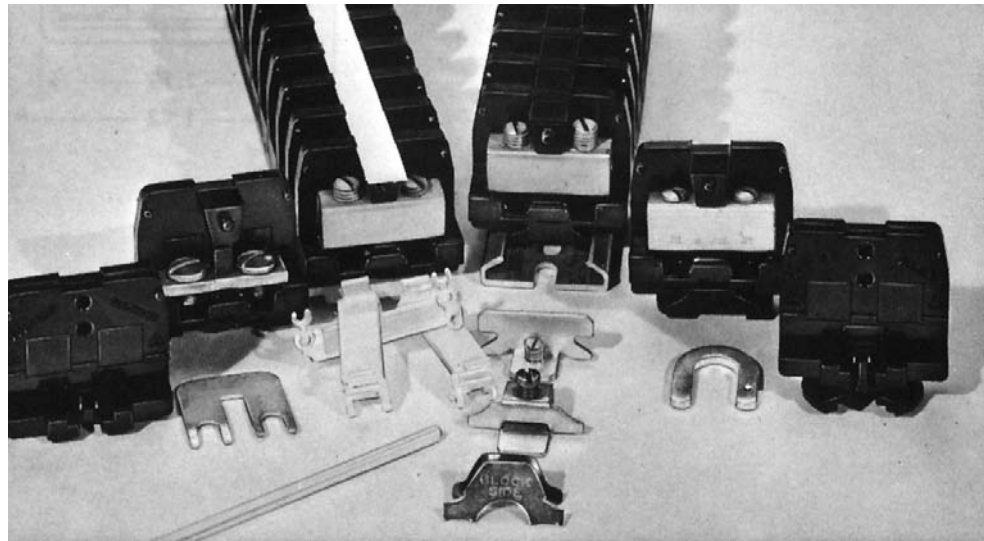
Dovetail Base Mounted On Standard #60 Channel



200 Series, Heavy Duty Phenolic Blocks

Product Facts

- **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.



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].



200 Series, Heavy Duty Phenolic, 600 V, 0.56" [14.24] Pitch



Characteristics

Strap Screw

Strap Clamp

Tubular Screw

Tubular Clamp

| Type of Block | Model | Part Number | Model | Part Number | Model | Part Number | Model | Part Number |
|--------------------------------------|-------|-------------|--------|-------------|--------|-------------|--------|-------------|
| Direct Mount (Flat Base) | | | | | | | | |
| Painted | 221 | 3-1437390-1 | 228-BU | 1-1437381-5 | 222-BU | 3-1437390-3 | 223-BU | 3-1437390-6 |
| Unpainted | 211 | 2-1437390-7 | 218 | 3-1437390-0 | 212 | 2-1437390-8 | 213 | 2-1437390-9 |
| Channel Mount (Dovetail Base) | | | | | | | | |
| Painted | 0221 | 1437390-8 | 0228 | 1-1437390-3 | 0222 | 1437390-9 | 0223 | 1-1437390-2 |
| Unpainted | 0211 | 1437390-1 | 0218 | 1437390-7 | 0212 | 1437390-3 | 0213 | 1437390-5 |
| Contact Type | | | | | | | | |



Specifications

| | | | | |
|--------------------------------------|-----------------------|--------------------------|---------------------|---------------------|
| Wire Range (AWG) Solid & Stranded | 22-10 | 18-8 | 18-4 | 18-6 |
| Wire Strip Length (in.) | — | 1/2 | 1/2 | 1/2 |
| Screw Type | 10-32 binding head | 8-32 pan head w/clamp | 1/4-28 set screw | 1/4-28 set screw |
| Ampacity | 35 A | 50 A | 85 A | 65 A |
| End Sections | | | | |
| Direct Mount | 230-BU 1-1437381-7 | 230-BU 1-1437381-7 | 230-BU 1-1437381-7 | 230-BU 1-1437381-7 |
| Channel Mount | 0230 1-1437390-4 | 0230 1-1437390-4 | 0230 1-1437390-4 | 0230 1-1437390-4 |

Notes:

For factory assembled blocks, suffix Catalog Number with number of blocks desired. See page 270 for dimensions and other details. (Maximum number of flat base preassembled sections is 12).

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

Example: Twelve preassembled flat base, strap screw blocks = 22112 (painted 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 Technical Support.

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)



LR25557 E63810

200 Series, Heavy Duty Phenolic, 600 V, 0.56" [14.24] Pitch (Continued)



Corrosion Resistant Strap Screw



Corrosion Resistant Tubular Screw



Corrosion Resistant Tubular Clamp

| Model | Part Number | Model | Part Number | Model | Part Number |
|-------|-------------|-------|-------------|-------|-------------|
| D221 | 3-1437389-6 | D222 | 3-1437389-8 | D223 | 3-1437389-9 |
| D211 | 3-1437389-4 | D212 | 3-1437389-5 | D213 | 4-1437390-6 |
| D0221 | 1437389-7 | D0222 | 1437389-8 | D0223 | 1437389-9 |
| D0211 | 1437389-2 | D0212 | 1437389-4 | D0213 | 1437389-6 |

Contact Type



Specifications

| | | |
|----------------------------------|--------------------------------|--------------------------------|
| 22-10 | 18-4 | 22-10 |
| — | 1/2 | 1/2 |
| 10-32 Nickel plated binding head | 1/4-28 Nickel plated set screw | 1/4-28 Nickel plated set screw |
| 35 A | 85 A | 65 A |
| 230-BU 1-1437381-7 | 230-BU 1-1437381-7 | 230-BU 1-1437381-7 |
| 0230 1-1437390-4 | 0230 1-1437390-4 | 0230 1-1437390-4 |

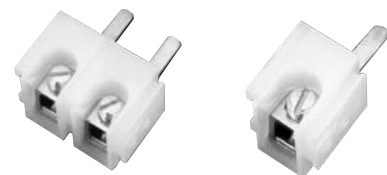
Sectional Fanning Strips

| Description | Part No. | Catalog No. |
|--------------------------|-------------|-------------|
| Tubular Screw | 1-1437381-8 | 24 |
| Strap Screw | 1-1437381-9 | 27 |
| Molding Only, no contact | 1447889-1 | 2400 |

Note:

For factory assembled fanning strips, suffix Catalog Number with number desired.

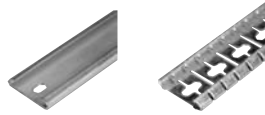
Example: Ten factory assembled sections of #24 = 2410



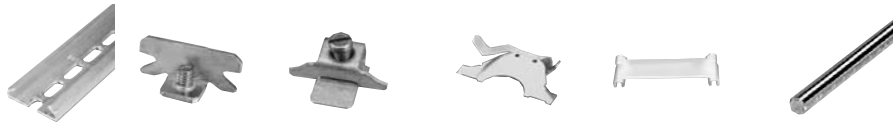
Electronics

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 |
|----------------------------|------------------|------------------------------|----------------------|------------------|----------------|----------------|-------------|
| Part Number | | | | | | | |
| 9-1437381-1 9-1437381-8 | 9-1437381-2 | 9-1437381-9 1437382-2 | 9-1437381-5 | 1437382-3 | 9-1437381-7 | 1-1437382-2 | 3-1437381-9 |
| Catalog Number | | | | | | | |
| 60 63-BU | 60-B-36 | 64 67 | 61 | 68 | 62 | 23-BU | 30-BU |
| Standard Length | | | | | | | |
| 6 feet 3 feet | 3 feet | 6 feet 3 feet | — | — | — | — | 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 |
|------------------------|--------------------|----------------------|------------------------|--------------------|-----------------------------|------------------------|
| Part Number | | | | | | |
| 8-1437381-1 | 8-1437381-0 | 6-1437381-3 | 4-1437391-1 | 4-1437393-0 | 2-1437381-3 | 5-1437381-5 |
| Catalog Number | | | | | | |
| 56 | 55-BU | 50-BU | 52-BU | 65-BU | 41-BU | 43 |
| Standard Length | | | | | | |
| 10 sheets | 50 feet | 25 feet | 18 inches | — | — | — |

Related Product Data

Wire Pins and Ferrules—Pages 108-110
For more information on AMP Standard Terminals and Splices or Quick-Connect FASTON Receptacles and Tabs, request Catalog 82042.

200 Series, Heavy Duty Phenolic Specifications

Material & Finish

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. [12.7]

Tubular Screw: 1/2 in. [12.7]

Tubular Clamp: 1/2 in. [12.7]

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. [8.73]

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

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 [12.45-14.73]

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 108 min.

Color—Black



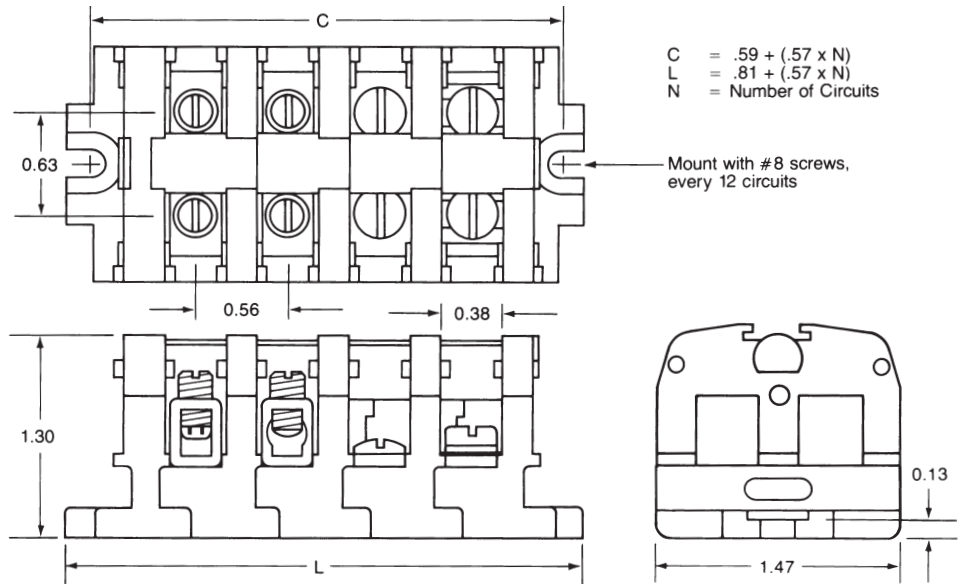
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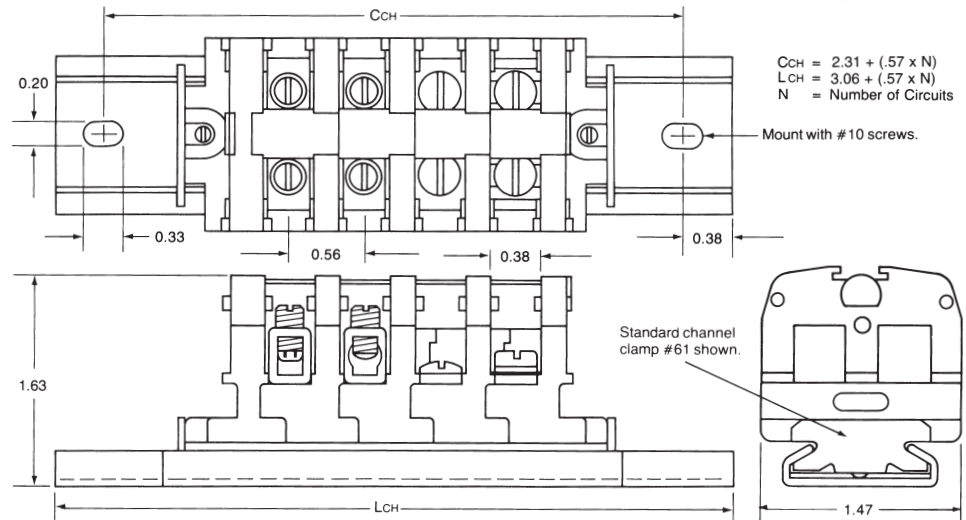
E63810

200 Series, Heavy Duty Phenolic

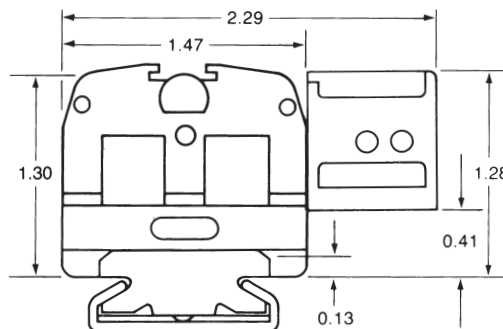
Flat Base



Dovetail Base Mounted On Standard #60 Channel



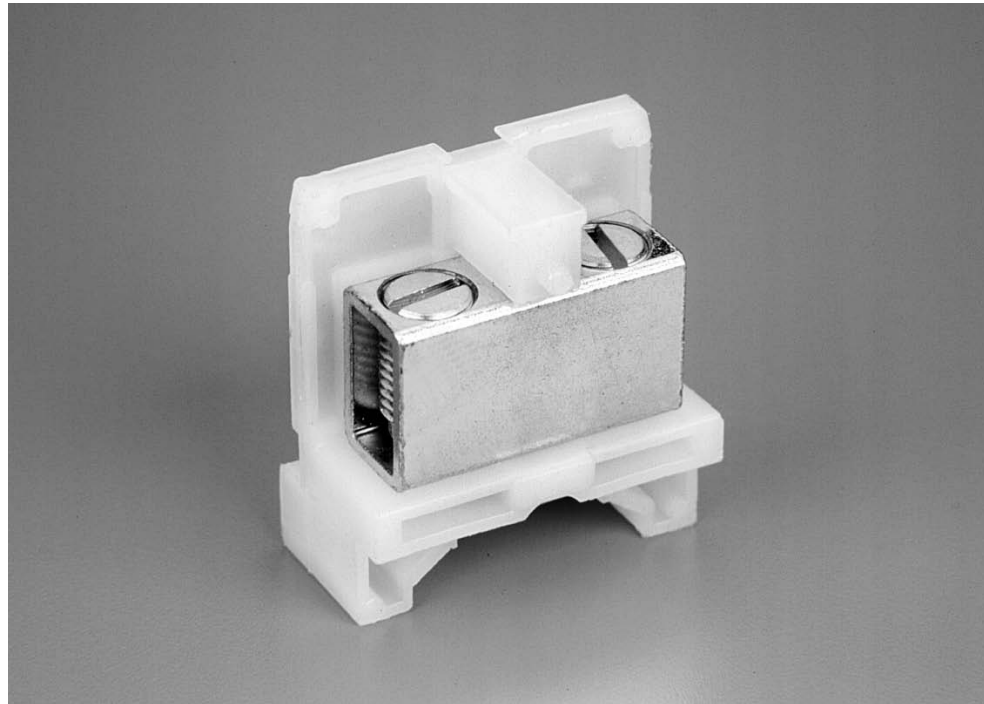
Sectional Fanning Strips



800 Series, Intermediate Heavy Duty

Product Facts

- An exceptionally compact block that accepts single or combinations of AWG wire sizes as large as #1/0 — at least 92 circuits per 6-foot length, 3/4 inch center-to-center spacing.
- Tubular screw contact style accepts AWG wire sizes from #12 thru #1/0, solid or stranded.
- Same block mounts on surface or channel — two-way mounting base fits standard channel or mounts directly to flat surfaces.
- Packaged for rapid handling and assembly — snap-fit sections packaged 10 per carton.
- Contacts conservatively rated at 155 amperes per circuit when used with copper wire.
- Only one end section needed per block assembly.
- Readily identify circuits — blocks available with painted marking surface or use removable vinyl marking strip. Preprinted marking strips are also available.
- Factory assembled blocks available.
- Nylon housing material for the most rugged applications.
- Allen head screw for aluminum wire — screw tip design helps protect aluminum wire from overtightening. Slotted screw head for copper wire.
- Intermediate Heavy Duty blocks snap-fit with 300 & 600V, Medium Duty phenolic, Heavy Duty nylon, polypropylene and phenolic and Fuse and Switch blocks.



This line of 600 volt blocks is rated up to 150 A and is available in a standard version and a corrosion resistant version.



800 Series, Intermediate Heavy Duty, 600 V, 0.75" Pitch



Material & Finish

Housing Material—Polyamide type 6/6, unfilled

Max Continuous Temp.—125°C [257°F]

Water Absorption (24hrs. % wt. gain)—1.5%

Flammability—UL94V-2

Chemical Resistance—Resistant to aromatic hydrocarbons, strong alkalis

Radiation Resistance (ergs g-1 (C))—8 x 10⁷

Color—Translucent white

Electrical Properties

Voltage Rating—Blocks meet 600V clearance and creepage requirements of NEMA, UL, and CSA standards for general industrial control equipment and panelboards. Withstand voltages in excess of IEEE switchgear standards for 750V.

Breakdown Voltage, AC, 60Hz—
Contact-to-Contact: 8,800V
Contact-to-Ground: 9000V

Dielectric Strength — RH 40% @ Sea Level—470-385 Volts/mil thickness per ASTM D149

Operating Voltage—Blocks meet 600V creepage and clearance requirements; withstand voltage greatly exceeds standards for 750V

UL High Voltage Arc Tracking (in./min.)—0.1-.35 [0.25-8.89]

Contacts

Standard Contacts

Material—Electrical grade copper conductor

Screws—Steel, zinc plated to resist corrosion in most applications

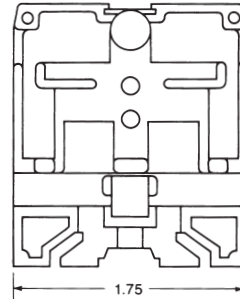
Duramax Contacts (for highly corrosive atmospheres)

Tubular Screw—Electrical grade copper tube with nickel plating; nickel plated brass screws. Nickel plating exceeds specification QQ-N-290 Class 1, Type VII.

Wire Range—#12-1/0 AWG, solid or stranded

Wire Strip Length—11/16" [17.46]

Screw Type—7/16" [11.11] - 20 slotted headless screw



Same part used for both panel and channel mounting.

| Description | Part No. | Catalog No. |
|--------------------------------|-------------|-------------|
| Tubular Screw, Unpainted | 1437395-2 | 814 |
| Tubular Screw, Painted | 1437395-3 | 824-BU |
| Corrosion Resistant, Unpainted | 5-1437395-8 | D814-BU |
| Corrosion Resistant, Painted | 5-1437395-9 | D824 |
| End Section | 1-1437395-4 | 830-BU |

Notes:

For factory assembled blocks on channel, prefix Catalog # with "0" and suffix with number of blocks desired. Without channel (maximum of 6 sections) delete "0". See page 273 for dimensions and other details.

Example: Ten tubular screw sections preassembled on channel = 082410

For unpainted 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 Technical Support.

Independent Testing Service Listing and Recognition

UL Wire Sizes—Solid or Stranded, Tubular Screw

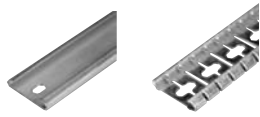
- 1 — #1/0 AWG, 1 — #1 AWG
- 1 — #2 AWG, 1 or 2 — #4 AWG
- 1, 2 or 3 — #6 AWG,
- 1, 2, 3 or 5 — #8 AWG
- 1 to 6 — #10 AWG, 1 to 7 — #12 AWG



Electronics

800 Series, Intermediate Heavy Duty Accessories

Mounting Channel



Channel Clamps

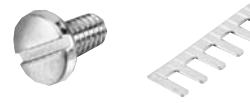


| Steel Channel | Break Away Steel | Pre-punched Aluminum Channel | Screw Channel Clamps | Universal Clamps | Snap-In Clamps | See-thru Cover | Ganging Rod |
|----------------------------|------------------|------------------------------|----------------------|------------------|----------------|----------------|-------------|
| Part Number | | | | | | | |
| 9-1437381-1 9-1437381-8 | 9-1437381-2 | 9-1437381-9 1437382-2 | 9-1437381-5 | 1437382-3 | 9-1437381-7 | 4-1437390-4 | 3-1437381-9 |
| Catalog Number | | | | | | | |
| 60 63-BU | 60-B-36 | 64 67 | 61 | 68 | 62 | 93-BU | 30-BU |
| Standard Length | | | | | | | |
| 6 feet 3 feet | 3 feet | 6 feet 3 feet | — | — | — | — | 2 feet |

Marking Accessories



Jumpers



| Plastic Cloth Tape | Plastic Cloth Tape | Vinyl Marking Strips | Elevated Marking Strip | Holding Screw | Snap-apart Jumper |
|------------------------|--------------------|----------------------|------------------------|---------------|-------------------|
| Part Number | | | | | |
| 1437382-1 | 8-1437381-0 | 6-1437381-3 | 4-1437391-1 | 7-1437381-8 | 1-1437382-6 |
| Catalog Number | | | | | |
| 66 | 55-BU | 50-BU | 52 | 53-BU | 76 |
| Standard Length | | | | | |
| — | 50 feet | 25 feet | 18 inches | — | 12 ckt |

RELATED PRODUCT DATA

WIRE PINS AND FERRULES: Pages 108-110
For more information on AMP Standard Terminals and Splices or Quick-Connect FASTON Receptacles and Tabs, request Catalog 82042.