

# NEMA TERMINAL BLOCKS

BUCHANAN Terminal Blocks

Buchanan NEMA Terminal Blocks offer a wide range of quality features and configurations to solve virtually any wiring need. Buchanan Terminal Blocks make wiring jobs simpler and easier, as they provide a ready hook-up of wires from different components or from different areas throughout a structure.

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# BUCHANAN - NEMA Terminal blocks

<u>BUCHANAN - NEMA Overview</u>	<u>2</u>
<u>Catalog Numbering Code</u>	<u>4</u>
<u>900 Series, Medium Duty</u>	<u>5</u>
Terminal blocks	6
Accessories	7
Mounting instructions	8
<u>200 Series, Heavy Duty</u>	<u>11</u>
Terminal blocks	12
Accessories	13
Specifications	14
Mounting instructions	15
<u>200 Series, Heavy Duty Phenolic Blocks</u>	<u>17</u>
Terminal blocks	18
Accessories	19
Specifications	20
Mounting instructions	21
<u>B100, #B100 Series, One-Piece Phenolic Blocks</u>	<u>23</u>
Terminal blocks and Accessory	24
Mounting instructions	25
<u>Pre-Printed Marking Strips</u>	<u>26</u>
<u>Technical Summary</u>	<u>27</u>
<u>Index</u>	<u>28</u>




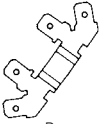


# BUCHANAN Terminal Blocks

NEMA Overview

## Series 900, Medium Duty

## Series 200, Heavy Duty



	Medium Duty				Nylon	
<b>Mounting</b>	Direct Mount Standard, Miniature & Breakaway Channels				Direct Mount or: Flat Base fits Miniature Channel. Dovetail Base fits Standard & Breakaway Channels	
<b>AWG Wire Range</b>	#22-8	#22-8	10*, #22-14	—	#18-6 smaller	#18-4
<b>Contact Types</b>	Tubular Clamp	Tubular Screw	Strap Screw	Quick Connect	Tubular Clamp	Tubular Screw
<b>R</b> =Shipped with screws raised <b>B</b> =Shipped with screws bottomed	 B	 B	 B	 B	 B	 R
<b>Ampacity</b>	30A	50A	35A*, 15A	20A	65A	85A
<b>Voltage</b>	600 V	600 V	600 V	300 V	600 V	
<b>Center-to-Center Spacing</b>	.375" [9.53]	.375" [9.53]	.375" [9.53]	.375" [9.53]	.50" [12.70]	
<b>Housing Material</b>	PCT	PCT	PCT	PCT	Nylon	
<b>Flammability Rating</b>	UL94V-0	UL94V-0	UL94V-0	UL94V-0	UL94V-2	
<b>Max. Service Temperature</b>	150°C (302°F)	150°C (302°F)	150°C (302°F)	150°C (302°F)	125°C (257°F)	

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



Note: All part numbers are RoHS Compliant.






Dimensions are in millimeters and inches unless otherwise specified

Dimensions are shown for reference purposes only. Specifications subject to change.

**Series 200, Heavy Duty**

**B100, #B100 Series,  
One-Piece**

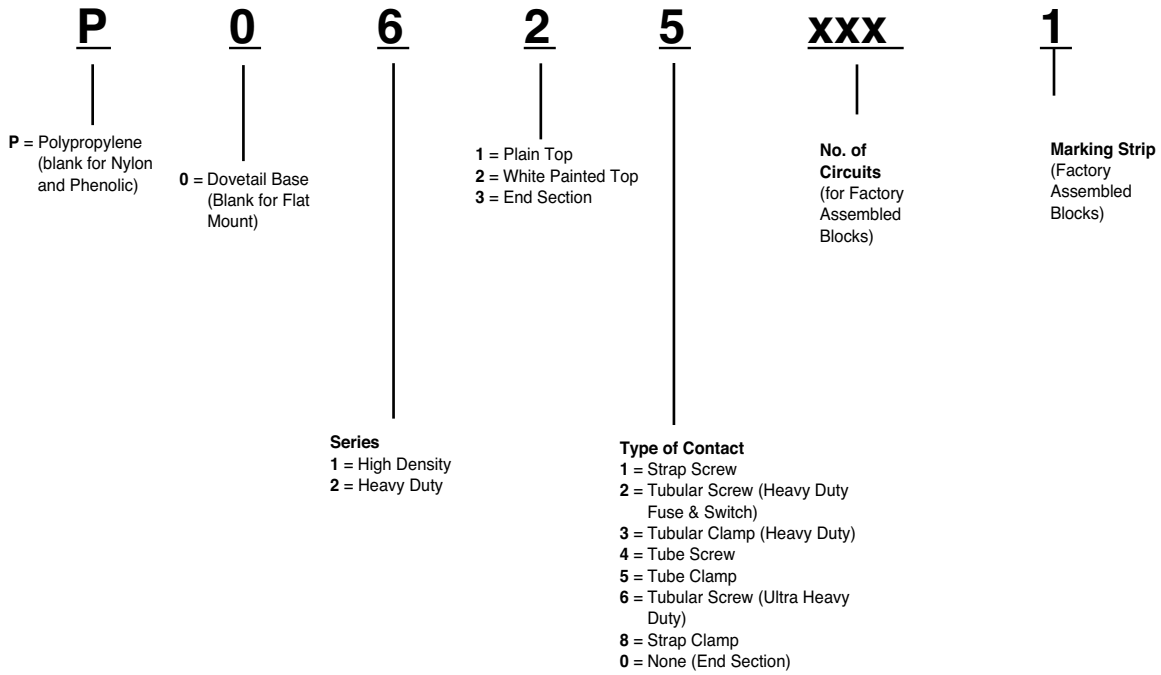


	<b>Phenolic</b>			<b>Phenolic</b>	
<b>Mounting</b>	Direct Mount or Standard & Breakaway Channels			Direct Mount	
<b>AWG Wire Range</b>	#18-6	#18-4	#10 & smaller	#8	#8
<b>Contact Types</b>	Tubular Clamp	Tubular Screw	Strap Screw	Strap Clamp	Strap Screw
<b>R</b> =Shipped with screws raised <b>B</b> =Shipped with screws bottomed	 B	 R	 B	 B	 B
<b>Ampacity</b>	65A	85A	35A	50A	50A
<b>Voltage</b>	600 V			600 V	
<b>Center-to-Center Spacing</b>	.56" [14.22]			.63" [16.00]	
<b>Housing Material</b>	Phenolic			Phenolic	
<b>Flammability Rating</b>	UL94V-1			UL94V-1	
<b>Max. Service Temperature</b>	150°C (302°F)			150°C (302°F)	



Note: All part numbers are RoHS Compliant.  
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## Catalog Numbering Code



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

Note: All part numbers are RoHS Compliant.

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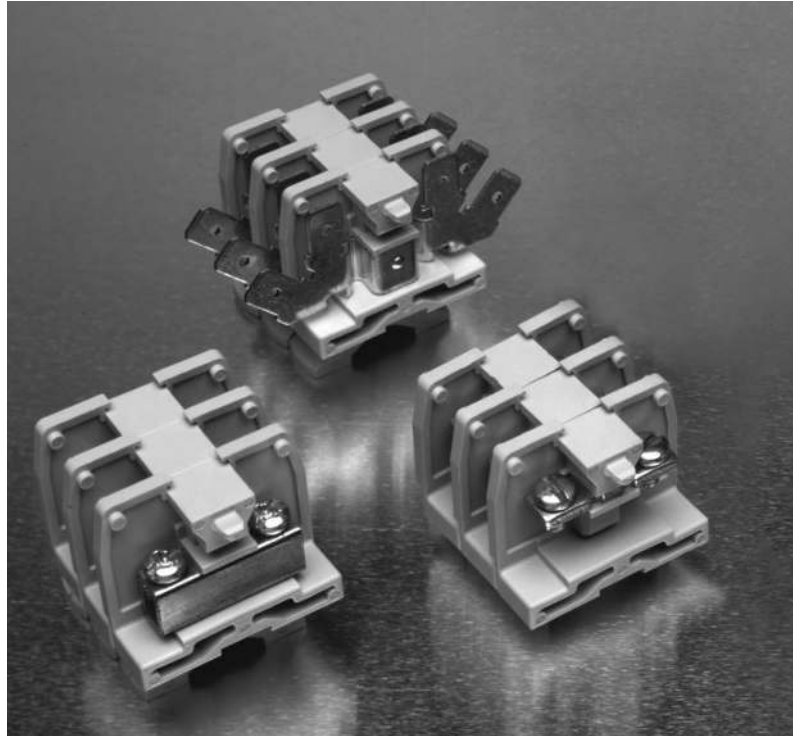
Dimensions are shown for reference purposes only. Specifications subject to change.

## 900 Series, Medium Duty

### Presentation

#### Product Facts

- High circuit density - 183 circuits per 6-foot length, 3/8 inch pitch.
- Choice of 4 contact styles - tubular clamp, tubular screw, strap screw, quick connect.
- 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.



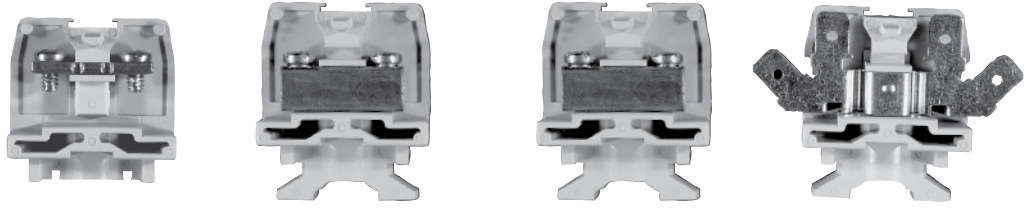
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# 900 Series, Medium Duty

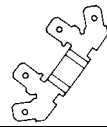
Terminal blocks



## Characteristics

Type of Block	Strap Screw		Tubular Screw		Tubular Clamp		Quick Connect	
	Model	Part Number	Model	Part Number	Model	Part Number	Model	Part Number
<b>Direct Mount (Flat Base)</b>								
Standard	921	1546143-1	924	1546147-1	925	1546234-1	927	1546149-1
Corrosion Resistant (Duramax)		—		—	D925	1546234-2		—
<b>Channel Mount (Dovetail Base)</b>								
Standard	0921	1546144-1	0924	1546148-1	0925	1546235-1		—

## Contact Type



## Specifications

	Strap Screw	Tubular Screw	Tubular Clamp	Quick Connect
Wire Range (AWG)	10*, 22-14	22-8	22-8	—
Solid & Stranded	—	—	—	—
Wire Strip Length (in.)	—	11/32	11/32	—
Screw Type	6-32 Binding Head	10-32 Pan Head	10-32 Slotted Pan Head	—
Pitch	0.375" [9.53 mm]	0.375" [9.53 mm]	0.375" [9.53 mm]	0.375" [9.53 mm]
Ampacity	35 A*, 15 A	50 A	30 A	20 A
Voltage	600 V	600 V	600 V	300 V

## End Sections

	Strap Screw	Tubular Screw	Tubular Clamp	Quick Connect
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.

## Independent Testing Service Listing and Recognition

WIRE SIZES, Solid or Stranded

### Strap Clamp

1 #22 AWG to 1 #10 AWG

### Tubular Screw

1 #18 AWG to 1 #8 AWG,

2 or 3 #12 AWG, 2 to 4 #14 AWG,

2 or 4 #16 AWG, 2 to 5 #18 AWG,

### Tubular Clamp

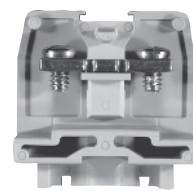
1 #22 AWG to 1 #10 AWG,

2 #12 AWG, 2 or 3 #14 AWG,

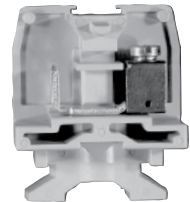
2 to 4 #16 AWG, 2 to 5 #18 AWG,

2 to 8 #20 AWG, 2 to 10 #22 AWG,

## Comparison (Type of Block)



Direct Mount  
(Flat Base)



Channel Mount  
(Dovetail Base)



Note: All part numbers are RoHS Compliant.

Dimensions are in millimeters and inches unless otherwise specified

Dimensions are shown for reference purposes only. Specifications subject to change.



# 900 Series, Medium Duty

## Accessories

### Mounting Channel



Miniature		Steel Channel		Pre-punched Aluminum Channel	
Model	Part Number	Model	Part Number	Model	Part Number
12	1437381-8	60 63-BU	9-1437381-1 9-1437381-8	64 67	9-1437381-9 1437382-2
<b>Standard Length</b>					
3 feet		6 feet 3 feet		6 feet 3 feet	

### Channel Clamps



Screw Channel Clamps		Universal Clamps		Miniature for #12 Channel	
Model	Part Number	Model	Part Number	Model	Part Number
61	9-1437381-5	68	1437382-3	11	1437381-4

### Marking Accessory



Nylon Holding Plug	
Model	Part Number
65-BU	4-1437393-0

### Jumper



Jumper for tubular Contacts	
Model	Part Number
70	1437382-6

Note: All part numbers are RoHS Compliant.

Dimensions are in millimeters and inches unless otherwise specified

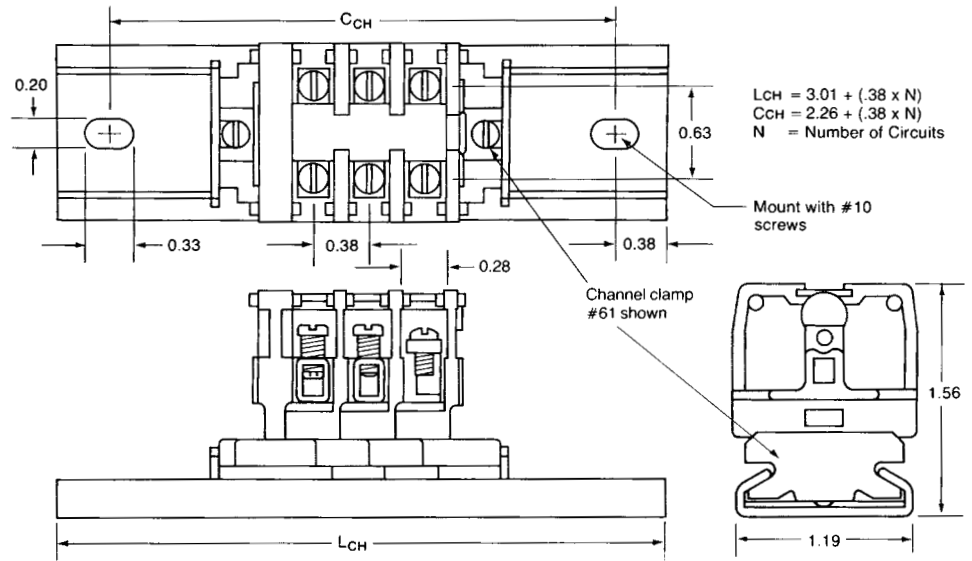
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# 900 Series, Medium Duty

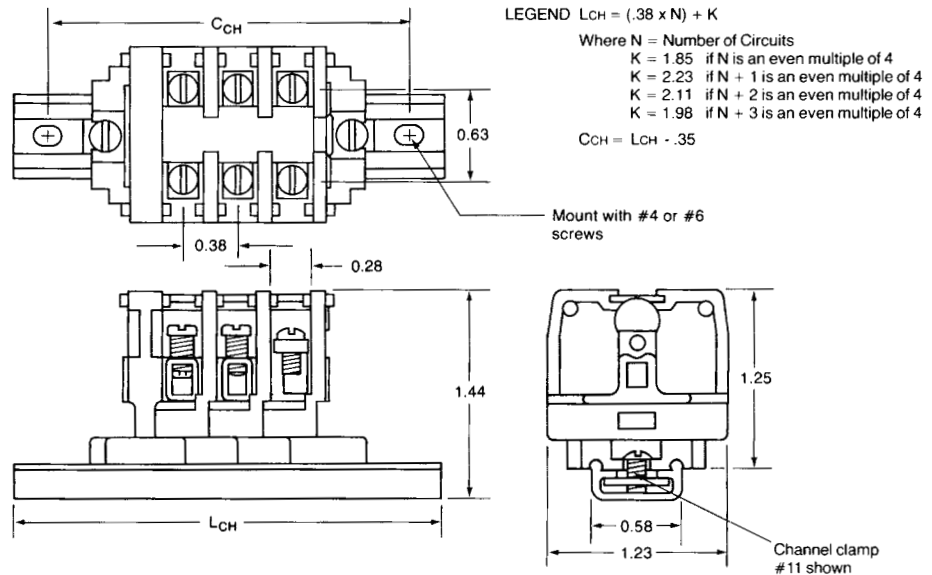
Mounting instructions

## Channel Mount

### Dovetail Base Mounted On Standard #60 Channel



### Flat Base Mounted On Miniature #12 Channel



Note: All part numbers are RoHS Compliant.

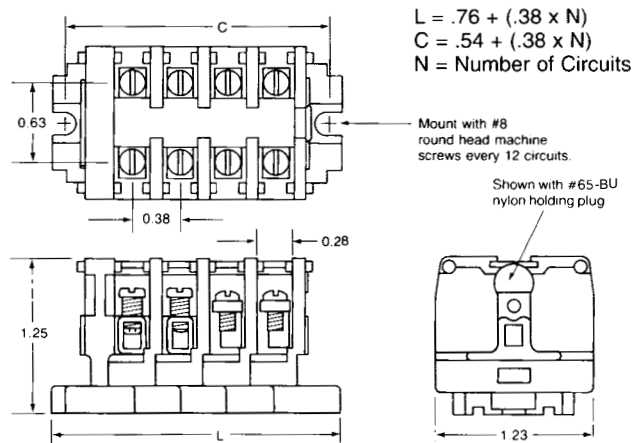
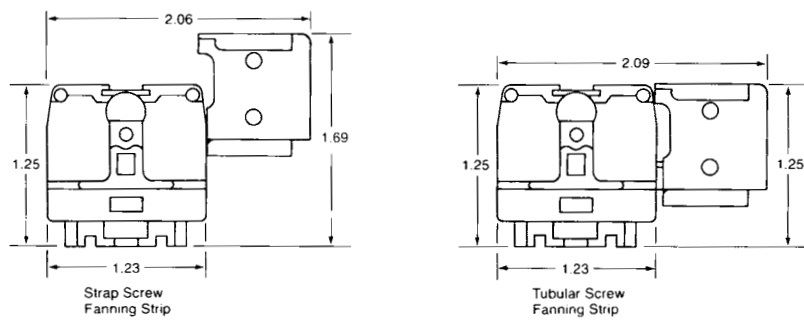
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# 900 Series, Medium Duty

Mounting instructions

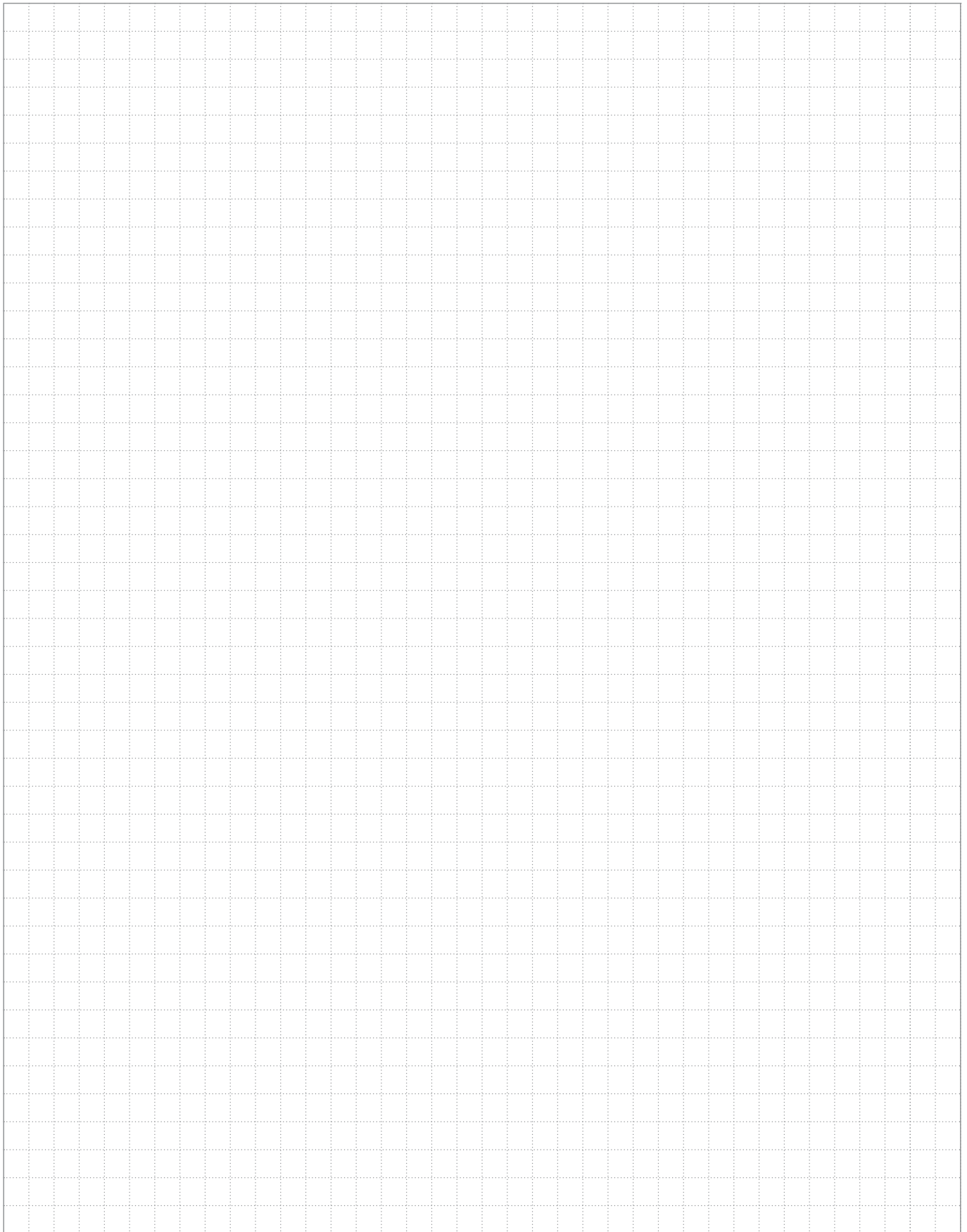
## Flat Base Mount



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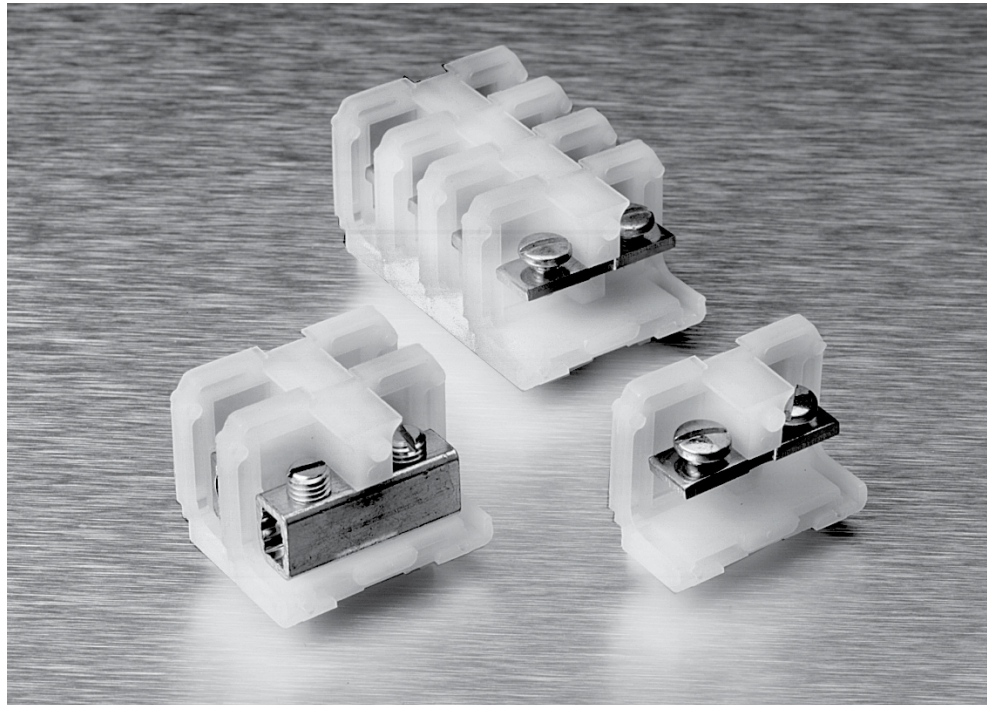


## 200 Series, Heavy Duty

### Presentation

#### 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).



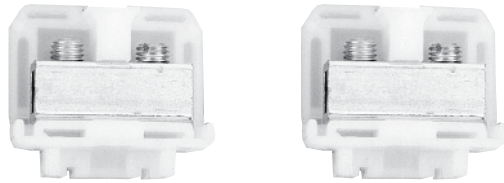
Note: All part numbers are RoHS Compliant.

Dimensions are in millimeters and inches unless otherwise specified

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## 200 Series, Heavy Duty

Terminal blocks



### Characteristics

#### Tubular Screw

#### Tubular Clamp

Type of Block	Model	Part Number	Model	Part Number
<b>Direct Mount (Flat Base)</b> Nylon, Unpainted	242	4-1437390-0	243	4-1437390-1
<b>Channel Mount (Dovetail Base)</b> Nylon, Painted	0242	2-1437390-0	0243	2-1437390-1

### Contact Type



### Specifications

Wire Range (AWG) Solid & Stranded	18-4	18-6
Wire Strip Length (in.)	1/2	1/2
Screw Type	1/4-28 set screw	1/4-28 set screw
Pitch	0.50" [12.7 mm]	0.50" [12.7 mm]
Ampacity	85 A	65 A
Voltage	600 V	600 V

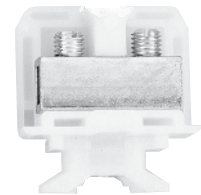
### End Sections

Direct Mount, Nylon	250	4-1437390-3	250	4-1437390-3
Channel Mount, Nylon	0250	2-1437390-5	0250	2-1437390-5

### Comparison (Type of Block)



Direct Mount  
(Flat Base)



Channel Mount  
(Dovetail Base)



LR25557

E63810

Note: All part numbers are RoHS Compliant.

Dimensions are in millimeters and inches unless otherwise specified

Dimensions are shown for reference purposes only. Specifications subject to change.

## 200 Series, Heavy Duty

### Accessories

#### Mounting Channel



Miniature		Steel Channel		Pre-punched Aluminum Channel	
Model	Part Number	Model	Part Number	Model	Part Number
12	1437381-8	60 63-BU	9-1437381-1 9-1437381-8	64 67	9-1437381-9 1437382-2
<b>Standard Length</b>					
3 feet		6 feet 3 feet		6 feet 3 feet	

#### Channel Clamps



Screw Channel Clamps		Universal Clamps		Miniature for #12 Channel	
Model	Part Number	Model	Part Number	Model	Part Number
61	9-1437381-5	68	1437382-3	11	1437381-4

#### Marking Accessory



Nylon Holding Plug	
Model	Part Number
65-BU	4-1437393-0



LR25557 E63810

Note: All part numbers are RoHS Compliant.

Dimensions are in millimeters and inches unless otherwise specified

Dimensions are shown for reference purposes only. Specifications subject to change.

## 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.

#### 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 10<sup>7</sup>

**Color**—Translucent White

#### Independent Testing Service Listing and Recognition

WIRE SIZES, Solid or Stranded

##### 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



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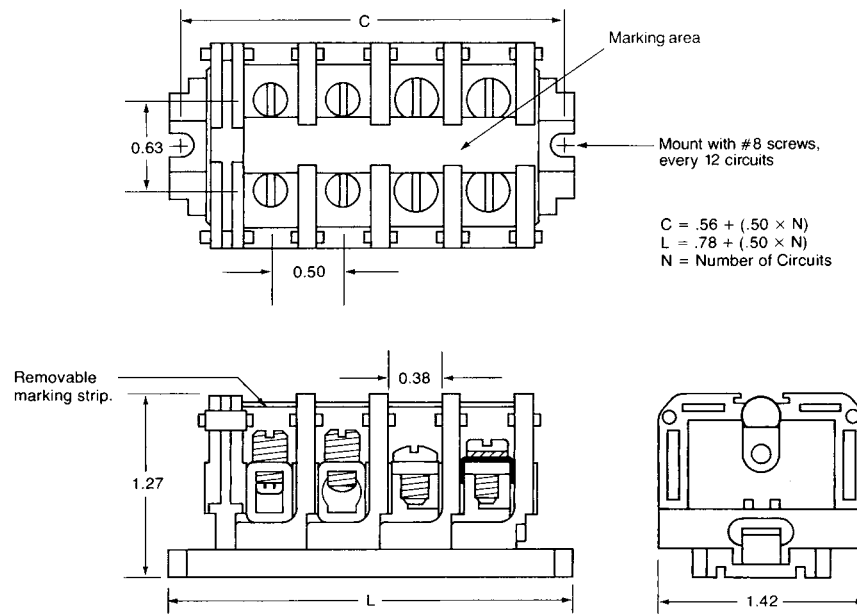


# 200 Series, Heavy Duty

## Mounting instructions

### Direct Mount

#### Flat Base



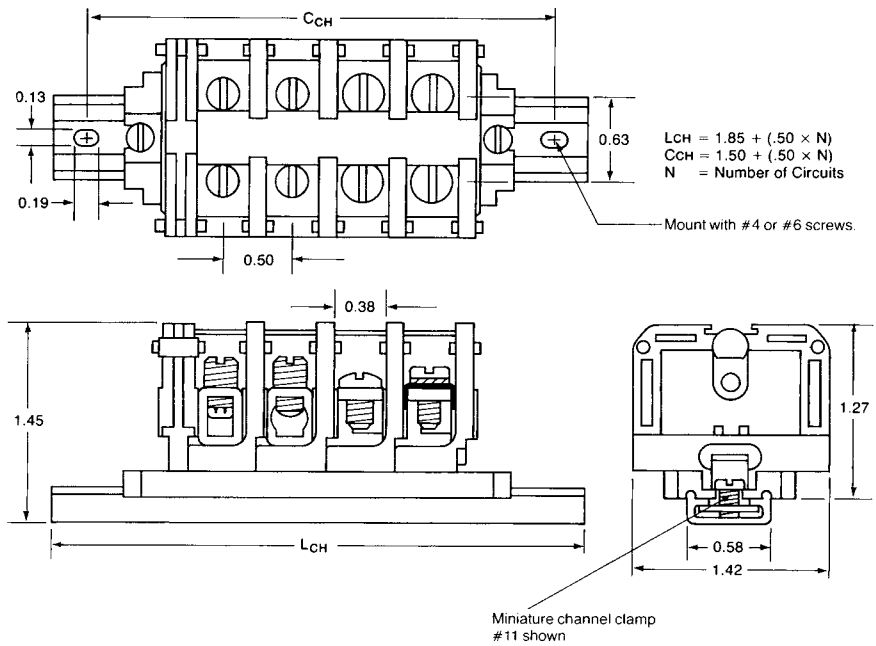
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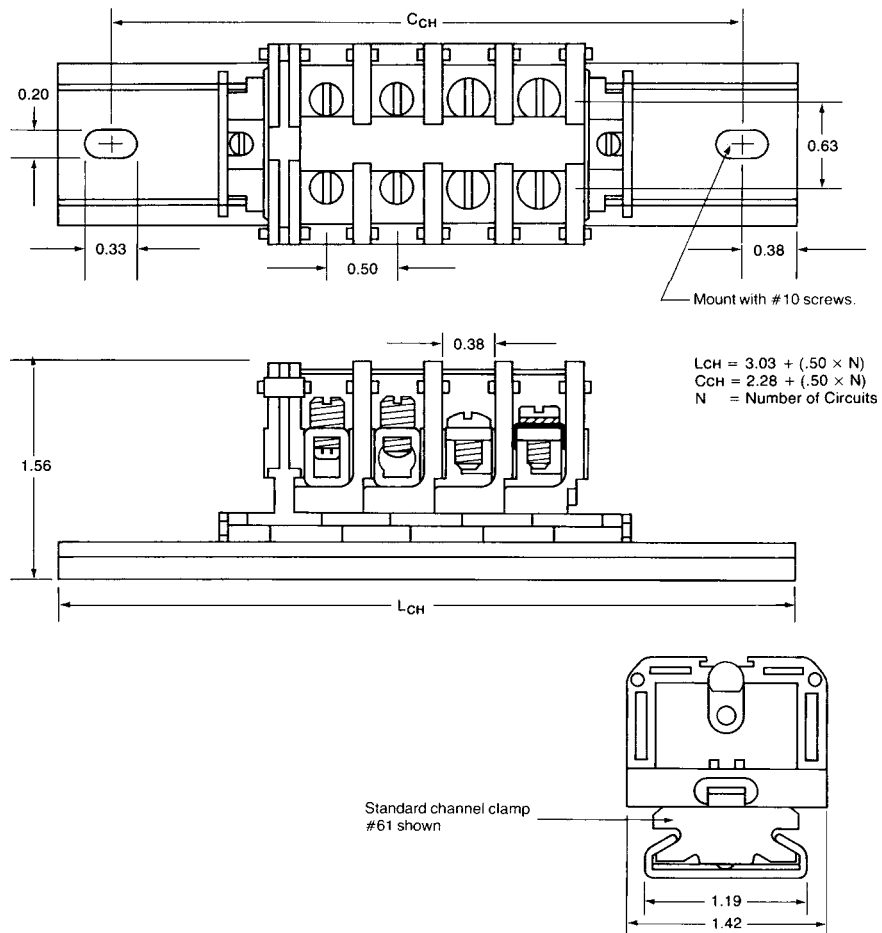
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**Chanel Mount**

**Flat Base Mounted On #12 Miniature Channel**



**Dovetail Base Mounted On Standard #60 Channel**



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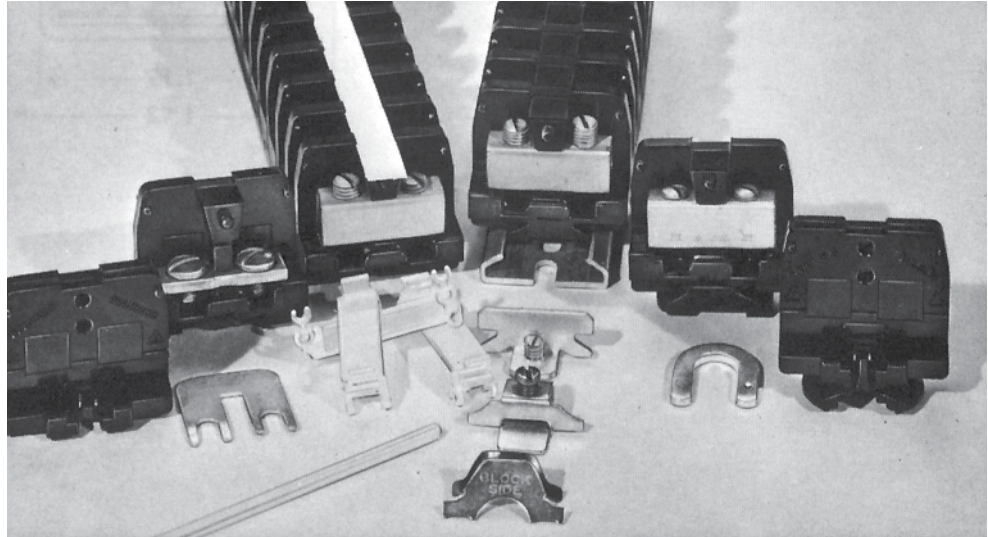
Dimensions are shown for reference purposes only. Specifications subject to change.

## 200 Series, Heavy Duty Phenolic Blocks

Presentation

### 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].



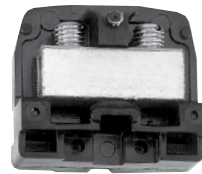
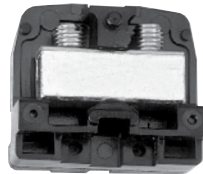
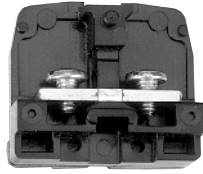
Note: All part numbers are RoHS Compliant.

Dimensions are in millimeters and inches unless otherwise specified

Dimensions are shown for reference purposes only. Specifications subject to change.

## 200 Series, Heavy Duty Phenolic Blocks

Terminal blocks



### Characteristics

#### Strap Screw

#### Tubular Screw

#### Tubular Clamp

Type of Block	Model	Part Number	Model	Part Number	Model	Part Number
<b>Direct Mount (Flat Base)</b>						
Painted	221	3-1437390-1	222-BU	3-1437390-3	223-BU	3-1437390-6
Unpainted	211	2-1437390-7	212	2-1437390-8	—	—
<b>Channel Mount (Dovetail Base)</b>						
Painted	0221	1437390-8	0222	1437390-9	0223	1-1437390-2
Unpainted	—	—	0212	1437390-3	—	—

### Contact Type



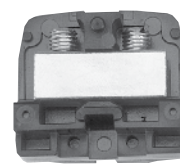
### Specifications

Specification	Strap Screw	Tubular Screw	Tubular Clamp
Wire Range (AWG) Solid & Stranded	22-10	18-4	18-6
Wire Strip Length (in.)	—	1/2	1/2
Screw Type	10-32 binding head	1/4-28 set screw	1/4-28 set screw
Pitch	0.56" [14.24 mm]	0.56" [14.24 mm]	0.56" [14.24 mm]
Ampacity	35 A	85 A	65 A
Voltage	600 V	600 V	600 V

### End Sections

End Section	Model	Part Number	Model	Part Number	Model	Part Number
Direct Mount	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

### Comparison (Type of Block)



Direct Mount  
(Flat Base)



Channel Mount  
(Dovetail Base)



LR25557

E63810

Note: All part numbers are RoHS Compliant.

Dimensions are in millimeters and inches unless otherwise specified

Dimensions are shown for reference purposes only. Specifications subject to change.

## 200 Series, Heavy Duty Phenolic Blocks

### Accessories

#### Mounting Channel



Steel Channel		Pre-punched Aluminum Channel	
Model	Part Number	Model	Part Number
60	9-1437381-1	64	9-1437381-9
63-BU	9-1437381-8	67	1437382-2
<b>Standard Length</b>			
	6 feet		6 feet
	3 feet		3 feet

#### Channel Clamps



Screw Channel Clamps		Universal Clamps	
Model	Part Number	Model	Part Number
61	9-1437381-5	68	1437382-3

#### Marking Accessory



Nylon Holding Plug	
Model	Part Number
65-BU	4-1437393-0

#### Jumper



Jumper for Strap Contacts	
Model	Part Number
41-BU	2-1437393-3

Note: All part numbers are RoHS Compliant.

Dimensions are in millimeters and inches unless otherwise specified

Dimensions are shown for reference purposes only. Specifications subject to change.

# 200 Series, Heavy Duty Phenolic Blocks

## Specifications

### Material & Finish

#### Standard Contacts

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

#### Wire Range:

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

**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

**Tubular Screw:** 1/2 in. [12.7]

**Tubular Clamp:** 1/2 in. [12.7]

#### Screw Type:

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

**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

#### Strap Clamp

1 #18 to 1 #8 AWG

#### 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

### 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 10<sup>8</sup> min.

**Color**—Black



Note: All part numbers are RoHS Compliant.

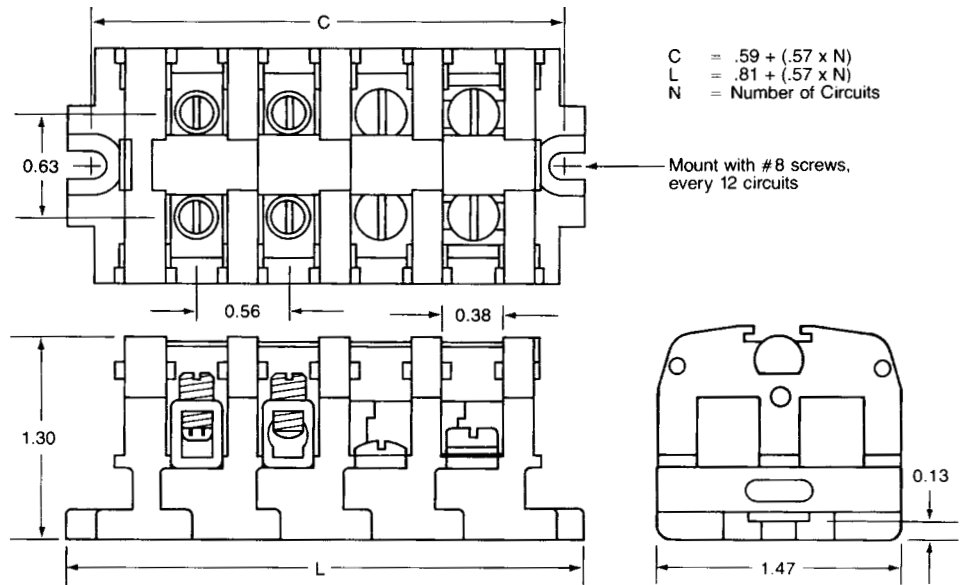
Dimensions are in millimeters and inches unless otherwise specified

Dimensions are shown for reference purposes only. Specifications subject to change.

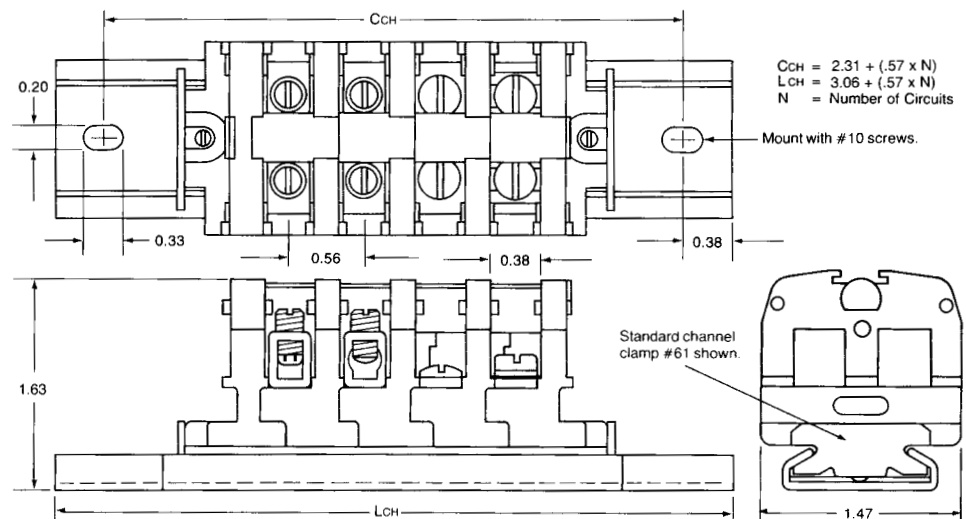
# 200 Series, Heavy Duty Phenolic Blocks

## Mounting instructions

### Flat Base



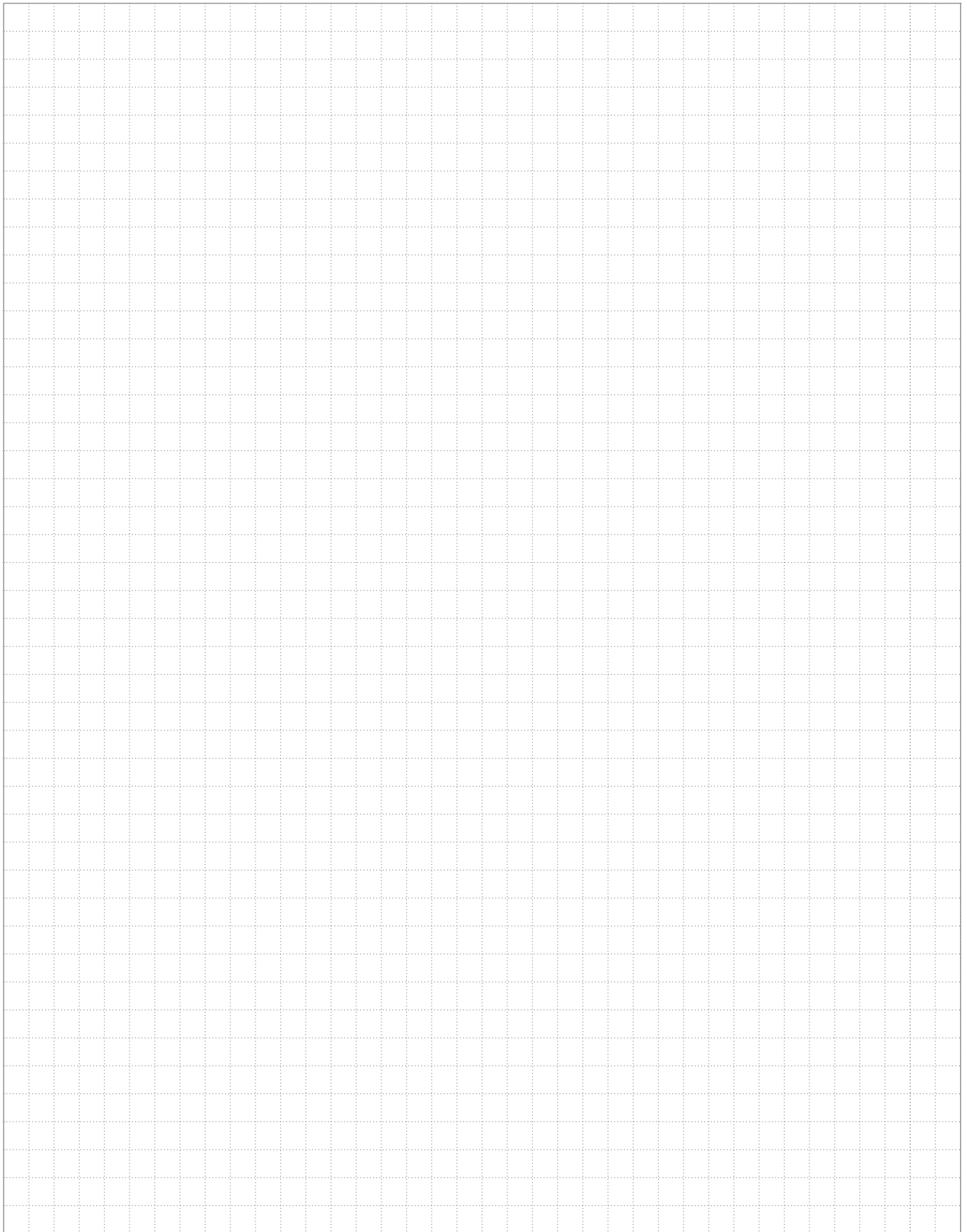
### Dovetail Base Mounted On Standard #60 Channel



Note: All part numbers are RoHS Compliant.

Dimensions are in millimeters and inches unless otherwise specified

Dimensions are shown for reference purposes only. Specifications subject to change.



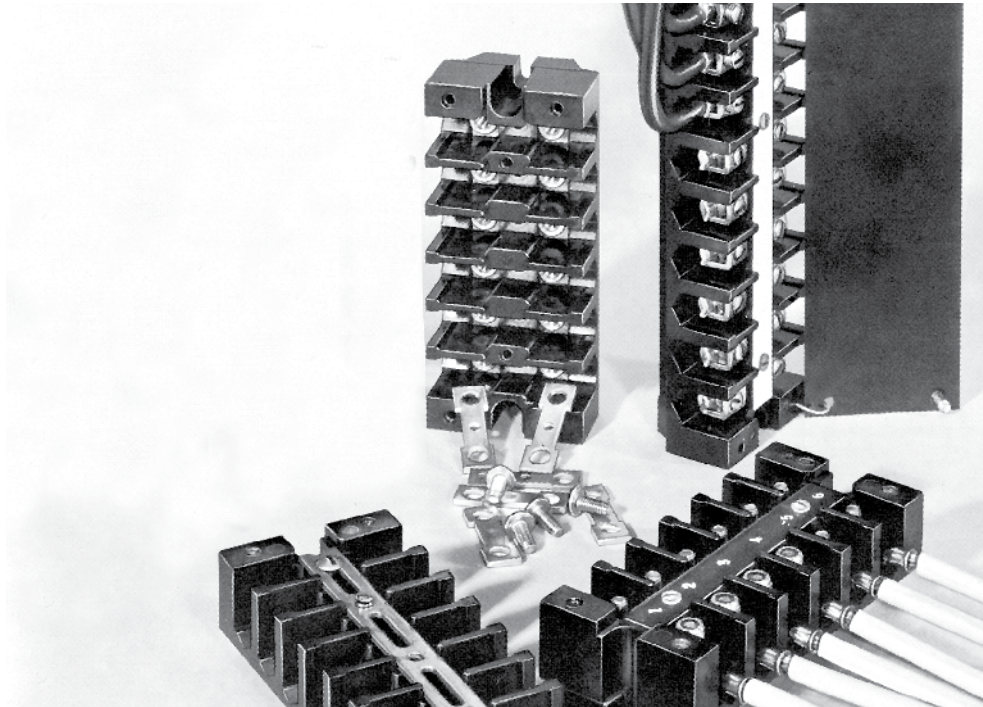


# B100, #B100 Series, One-Piece Phenolic Blocks

Presentation

## Product Facts

- Two, four, six, eight, and twelve circuit models available — 5/8" [15.88] center-to-center contact spacing.
- No assembly required — each is a single, easily installed unit.
- Three contact styles available — strap screw, captive strap clamp, and moving tubular contact.
- Use wire up to #6 AWG with tubular contact. Strap screw and strap clamp contacts are available for #8 and smaller.
- Withstand voltages in excess of IEEE standards for 750 volts. Meet clearance and creepage spacings specified in UL, CSA, and NEMA Industrial Control Standards for 600 Volts.
- Strap contacts rated at 50 amperes — tubular contact conservatively rated at 70 amperes.
- Pilot point screws supplied with strap screw and clamp contacts — speeds installation time.
- Plain white marking strip supplied with each block — circuits are easily identified.
- Special purpose blocks available—choose from blocks with solder posts, printed circuit board pins, or nuts on screw posts, removable circuit links, and a shorting bar.



Traditionally, these rugged One-Piece Blocks are the standard means of connection for heavy industrial applications like rail transport, utility, and traffic control industries. Ideal for dirty and vibration prone environments.



Note: All part numbers are RoHS Compliant.

Dimensions are in millimeters and inches unless otherwise specified

Dimensions are shown for reference purposes only. Specifications subject to change.

# B100, #B100 Series, One-Piece Phenolic Blocks

Terminal blocks and accessory

## Material & Finish

**Housing Material**—Phenolic, filled flame retardant

**Flammability**—UL94V-1

**Color**—Black

## Contacts

**Standard Material**—Electrical grade copper or copper alloy conductor. Steel screws plated to resist corrosion in most industrial applications.

**Brass Material**—For Corrosive Environment (2B100, 4B100 Series) Nickel plated brass straps and screws. Meets specification QQ-N-290A Class 1, Grade G

**Wire Range**—Strap Screw: #18-8 AWG solid or stranded

**Screw Type**—Strap Screw: #10-32 Binding Head

**Strap Screw**—7/16" [11.11] max. lug width

## Mechanical Properties

**Pitch (terminal spacing)**— .63" [16.00]

**Wire Strip Length**—Strap Screw: as needed for lugging

## Electrical Properties

**Maximum Current**—70A for a single #6 AWG wire

**Operating Voltage**—Blocks meet 600V creepage and clearance requirements for general industrial control equipment and panelboards; greatly exceeds IEEE switchgear standards for 750 volts.

**Dielectric Strength (RH 40% @ sea level)**—300 Volts/mil thickness per ASTM D149

**UL High Voltage Arc Tracking (in./min.)**— .49-.58 [12.45-14.73]

## Environmental Properties

**Max. Continuous Temperature**— 150°C (302°F)

**Water Absorption (24hrs. % wt. gain)**— .45% per ASTM D570

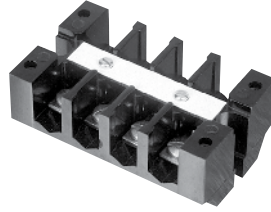
**Chemical Resistance**—Resistant to acids, alkalis, and aliphatic hydrocarbons and ketones per ASTM D543

**Radiation Resistance (ergs G<sup>-1</sup> (C))**—2.7 x 10<sup>8</sup> min

## UL Independent Testing Service Recognitions

**Wire Sizes**—Solid or Stranded, Tubular Clamp



1—#6 AWG, 1—#8 AWG, 1 or 2— #10 AWG, 1 or 2—#12 AWG, 1 to 3— #14 AWG, 1—#10 & 1—#12 AWG  
1—#12 & 1—#14 AWG



## Circuits

### Steel Screw w/Strap

### Brass Screw w/Strap

Type of circuit	Model	Part Number	Model	Part Number
<b>Contact Type</b>				
				
<b>Specifications</b>				
Ampacity	50 A		50 A	
Voltage	600 V		600 V	
<b>Standard</b>				
2		—	2B102	2-1437381-0
4	B104	3-1437382-0	2B104	2-1437381-2
6	B106-BU	4-1437382-0		—
12	B112-BU	5-1437382-9	2B112	3-1437381-3
<b>Shorting*</b>				
6		—	4B106P	5-1437381-8

## Notes:

For prenumbered marking strip, add suffix "N" to Catalog Number. Cannot be used on 3B or 4B series.

For factory assembled hinged cover, add suffix "H" to Catalog Number. Cannot be used on 3B or 4B series.

For factory assembled thumbscrew-fastened cover, add suffix "T" to Catalog Number. Cannot be used on 3B or 4B series.

\*Shorting blocks are supplied with 2 shorting screws each.

## Marking Accessory



Circuits	White Marking Strip	
	Model	Part Number
12	S112	1-1437383-9

Except for 3B and 4B Series



LR25557



E63810

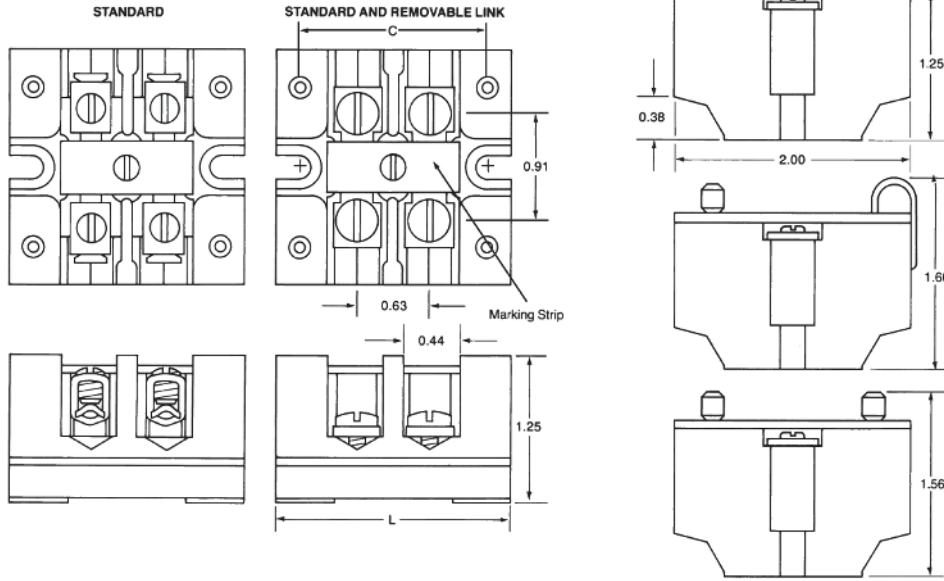
Note: All part numbers are RoHS Compliant.

Dimensions are in millimeters and inches unless otherwise specified

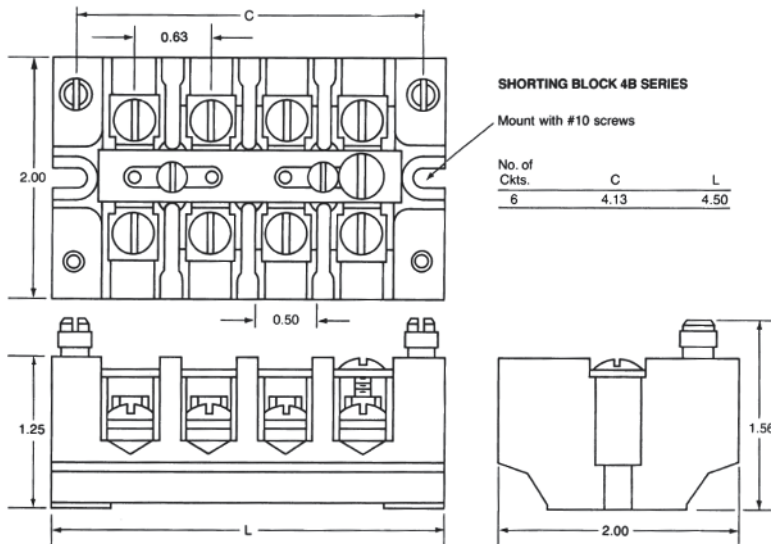
Dimensions are shown for reference purposes only. Specifications subject to change.

# B100, #B100 Series, One-Piece Phenolic Blocks

## Mounting instructions



No. of Ckts.	C	L
2	1.63	2.00
4	2.88	3.25
6	4.13	4.50
12	7.88	8.25



### SHORTING BLOCK 4B SERIES

Mount with #10 screws

No. of Ckts.	C	L
6	4.13	4.50

Note: All part numbers are RoHS Compliant.

Dimensions are in millimeters and inches unless otherwise specified

Dimensions are shown for reference purposes only. Specifications subject to change.

Circuit identification is greatly simplified with the use of pre-printed strips for BUCHANAN terminal blocks. These hot-stamped strips are available for all snap-assembled sections (except Fuse, Switch, and Circuit Breaker models which are marked individually). The strips can be ordered separately or pre-installed on factory assembled sectional block units.

Unlike painted or screened letters, hot-stamped letters are designed to not rub or flake off during industrial use so that they will retain their legibility.

Marking strips are stamped with consecutive numbers that can be ordered to read from left-to-right or right-to-left, and in vertical or horizontal positions. Number sequences can begin with any number. This allows circuits to be identified in a manner most consistent with the terminal block application.

**M 50 005 13 G**

**A B C D E**

- A** M = Hot-Stamped Marking Strip
- B** Terminal Block Series and Designator
  - 10 = Miniature or Single Tier
  - 12 = Double Tier
  - 67 = 900 Series Medium Duty
  - 24 = Nylon Heavy Duty
  - 21 = Phenolic Heavy Duty
  - 80 = Intermediate Heavy Duty
  - 40 = Ultra Heavy Duty
  - T2 = TSB230
  - T5 = TSB500
  - T6 = TSB1000
  - T7 = TSB2000
- C** Number of Circuits to be Consecutively Numbered  
(Use three digits: Ex.: 005 = 5, 055 = 55, etc.)
- D** Marking Style Options
  - 11 = 1 2 3 4 5...
  - 12 = ...5 4 3 2 1
  - 13 = ... ၁ ၂ ၃ ၄ ၅
  - 14 = ... ၅ ၄ ၃ ၂ ၁
- E** "First Number In Series" Designator\*
 

A = 1	F = 6
B = 2	G = 7
C = 3	H = 8
D = 4	J = 9
E = 5	K = 0

**Marking Strip Installed  
On A Factory-Assembled Terminal Block**

**615 005 11 A**

**A B C D**

- A** Basic Sectional Block Catalog #
- B** Number of Circuits to be Factory Assembled and Consecutively Numbered  
(Use three digits: Ex: 005 = 5, 055 = 55, etc.)
- C** Marking Style Options
  - 11 = 1 2 3 4 5...
  - 12 = ...5 4 3 2 1
  - 13 = ၁ ၂ ၃ ၄ ၅...
  - 14 = ... ၅ ၄ ၃ ၂ ၁
- D** "First Number In Series" Designator\*
 

A = 1	F = 6
B = 2	G = 7
C = 3	H = 8
D = 4	J = 9
E = 5	K = 0

\* Letters in this position designate the first number to be used in the consecutive sequence. Ex.: "A" would start the sequence with the number 1. "EK" would start the sequence with the number 50. "BKK" would start the series with 200. For non-sequential numbering and special characters, consult Technical Support.

## Technical Summary

Model	Terminal Block or Product Line	Contact Type Material Plate	Screw		Material & Plating	Recommended Screwdriver Dimensions		Wire Strip Length	Wire Range AWG	Rec. Torque in. - lb.
			Screw Style	Slot Size		Tip Thick	Tip Width			
211	HeavyDuty	Copper Alloy Strap Electroplated	Binding Head 10-32 Thread	062" Wide x 062" Deep [1.57 x 1.57]	Steel Electroplated	.037" [.94]	1/4" [6.35]	As Needed for Lugging	#8 or Smaller	12
212	Heavy Duty	Electroplate	Headless 1/4"-28 Thd. Slotted	3/64" Wide x 1/16" Deep [1.19 x 1.59]	Steel Electroplated	.037" [.94]	1/4" [6.35]	1/2" [12.7]	#4-18	35
222-BU	Tubular Screw	Tubular Copper Contact								
243	Tubular Clamp	Tubular Copper Contact	Headless 1/4"-28 Thd. Slotted	3/64" Wide x 1/16" Deep [1.19 x 1.59]	Steel Electroplated	.037" [.94]	1/4" [6.35]		#6-18	35
1546235-1	Medium Duty Tubular Clamp	Electroplated Tubular Copper Contact	10-32 Slotted Hd	.046" Wide x .046" Deep [1.17 x 1.17]	Steel Electroplated	.032" [.81]	3/16" [4.76]	11/32" [8.73]	#10-22	8
1546148-1	Medium Duty Tubular Screw	Electroplated Tubular Copper Contact	10-32 Slotted Hd	.046" Wide x .046" Deep [1.17 x 1.17]	Steel Electroplated	.032" [.81]	3/16" [4.76]	11/32" [8.73]		8
1546143-1	Medium Duty Strap Screw	Copper Alloy Strap Electroplated	6-32 Thd. Slotted Binding Hd.	3/64" Wide x 3/64" Deep [1.19 x 1.19]	Steel Electroplated	.032" [.81]	3/16" [4.76]	As Needed for Lugging	#8 or Smaller	12
B112-BU	One-Piece Blk. Strap Screw	Copper Alloy Strap Electroplated	10-32 Thd. Slotted Binding Hd.	1/16" Wide x 1/16" Deep [1.59 x 1.59]	Steel Electroplated	.037" [.94]	1/4" [6.35]	As Needed for Lugging	#8 or Smaller	20

**Note:** Representative Catalog Numbers Listed.

Part Number	Model	Series	Type Description	Page
<b>900 SERIES, MEDIUM DUTY</b>				
1546143-1	921	900 Series, Medium Duty	Strap Screw - Direct Mount - Terminal Block	6
1546144-1	0921	900 Series, Medium Duty	Strap Screw - Channel Mount - Terminal Block	6
1546147-1	924	900 Series, Medium Duty	Tubular Screw - Direct Mount - Terminal Block	6
1546148-1	0924	900 Series, Medium Duty	Tubular Screw - Channel Mount - Terminal Block	6
1546234-1	925	900 Series, Medium Duty	Tubular Clamp - Direct Mount - Terminal Block	6
1546234-2	D925	900 Series, Medium Duty	Tubular Clamp - Direct Mount Duramax	6
1546235-1	0925	900 Series, Medium Duty	Tubular Clamp - Channel Mount - Terminal Block	6
1546149-1	927	900 Series, Medium Duty	Quick Connect - Direct Mount - Terminal Block	6
1546163-1	930	900 Series, Medium Duty	End sections - Direct Mount	6
1546164-1	0930	900 Series, Medium Duty	End sections - Channel Mount	6
1437382-6	70	900 Series, Medium Duty	Jumper for Tubular contacts	7
<b>200 SERIES, HEAVY DUTY</b>				
4-1437390-0	242	200 Series, Heavy Duty	Tubular Screw - Direct Mount - Terminal Block	12
2-1437390-0	0242	200 Series, Heavy Duty	Tubular Screw - Channel Mount - Terminal Block	12
4-1437390-1	243	200 Series, Heavy Duty	Tubular Clamp - Direct Mount - Terminal Block	12
2-1437390-1	0243	200 Series, Heavy Duty	Tubular Clamp - Channel Mount - Terminal Block	12
4-1437390-3	250	200 Series, Heavy Duty	End sections - Direct Mount	12
2-1437390-5	0250	200 Series, Heavy Duty	End sections - Channel Mount	12
<b>200 SERIES, HEAVY DUTY PHENOLIC BLOCKS</b>				
3-1437390-1	221	200 Series, Heavy Duty Phenolic Blocks	Strap Screw - Direct Mount - Terminal Block	18
2-1437390-7	211	200 Series, Heavy Duty Phenolic Blocks	Strap Screw - Direct Mount - Terminal Block	18
1437390-8	0221	200 Series, Heavy Duty Phenolic Blocks	Strap Screw - Channel Mount - Terminal Block	18
3-1437390-3	222-BU	200 Series, Heavy Duty Phenolic Blocks	Tubular Screw - Direct Mount - Terminal Block	18
2-1437390-8	212	200 Series, Heavy Duty Phenolic Blocks	Tubular Screw - Direct Mount - Terminal Block	18
1437390-9	0222	200 Series, Heavy Duty Phenolic Blocks	Tubular Screw - Channel Mount - Terminal Block	18
1437390-3	0212	200 Series, Heavy Duty Phenolic Blocks	Tubular Screw - Channel Mount - Terminal Block	18
3-1437390-6	223-BU	200 Series, Heavy Duty Phenolic Blocks	Tubular Clamp - Direct Mount - Terminal Block	18
1-1437390-2	0223	200 Series, Heavy Duty Phenolic Blocks	Tubular Clamp - Channel Mount - Terminal Block	18
1-1437381-7	230-BU	200 Series, Heavy Duty Phenolic Blocks	End sections - Direct Mount	18
1-1737390-4	0230	200 Series, Heavy Duty Phenolic Blocks	End sections - Channel Mount	18
2-1437393-3	41-BU	200 Series, Heavy Duty Phenolic Blocks	Jumper for Strap contacts	19
<b>B100, #B100 SERIES, ONE-PIECE PHENOLIC BLOCKS</b>				
3-1437382-0	B104	B100, #B100 Series, One-Piece Phenolic Blocks	Terminal block - Steel screw w/strap - 4 circuits	24
4-1437382-0	B106-BU	B100, #B100 Series, One-Piece Phenolic Blocks	Terminal block - Steel screw w/strap - 6 circuits	24
5-1437382-9	B112-BU	B100, #B100 Series, One-Piece Phenolic Blocks	Terminal block - Steel screw w/strap - 12 circuits	24
2-1437381-0	2B102	B100, #B100 Series, One-Piece Phenolic Blocks	Terminal block - Brass screw w/strap - 2 circuits	24
2-1437381-2	2B104	B100, #B100 Series, One-Piece Phenolic Blocks	Terminal block - Brass screw w/strap - 4 circuits	24
3-1437381-3	2B112	B100, #B100 Series, One-Piece Phenolic Blocks	Terminal block - Brass screw w/strap - 12 circuits	24
5-1437381-8	4B106P	B100, #B100 Series, One-Piece Phenolic Blocks	Shorting terminal block - Brass screw w/strap - 6 circuits	24
1-1437383-9	S112	B100, #B100 Series, One-Piece Phenolic Blocks	Marking strip for 12 circuits	24
<b>COMMON ACCESSORIES</b>				
1437381-8	12	Accessories	Miniature Mounting Channel	7, 13
9-1437381-1	60	Accessories	Steel Mounting Channel - 6 feet	7, 13, 19
9-1437381-8	63-BU	Accessories	Steel Mounting Channel - 3 feet	7, 13, 19
9-1437381-9	64	Accessories	Pre-punched Aluminum Mounting Channel - 6 feet	7, 13, 19
1437382-2	67	Accessories	Pre-punched Aluminum Mounting Channel - 3 feet	7, 13, 19
9-1437381-5	61	Accessories	Screw Channel Clamp	7, 13, 19
1437382-3	68	Accessories	Universal Channel Clamp	7, 13, 19
1437381-4	11	Accessories	Miniature Channel Clamp for #12 Channel	7, 13, 19
4-1437393-0	65-BU	Accessories	Nylon holding plug	7, 13, 19



# Index

## Part number classification

Part Number	Model	Series	Type Description	Page
<b>1</b>				
1-1437381-7	230-BU	200 Series, Heavy Duty Phenolic Blocks	End sections - Direct Mount	18
1-1437383-9	S112	B100, #B100 Series, One-Piece Phenolic Blocks	Marking strip for 12 circuits	24
1-1437390-2	0223	200 Series, Heavy Duty Phenolic Blocks	Tubular Clamp - Channel Mount - Terminal Block	18
1-1737390-4	0230	200 Series, Heavy Duty Phenolic Blocks	End sections - Channel Mount	18
1437381-4	11	Accessories	Miniature Channel Clamp for #12 Channel	7, 13, 19
1437381-8	12	Accessories	Miniature Mounting Channel	7, 13
1437382-2	67	Accessories	Pre-punched Aluminum Mounting Channel - 3 feet	7, 13, 19
1437382-3	68	Accessories	Universal Channel Clamp	7, 13, 19
1437382-6	70	Accessories	Jumper for Tubular contacts	7
1437390-3	0212	200 Series, Heavy Duty Phenolic Blocks	Tubular Screw - Channel Mount - Terminal Block	18
1437390-8	0221	200 Series, Heavy Duty Phenolic Blocks	Strap Screw - Channel Mount - Terminal Block	18
1437390-9	0222	200 Series, Heavy Duty Phenolic Blocks	Tubular Screw - Channel Mount - Terminal Block	18
1546143-1	921	900 Series, Medium Duty	Strap Screw - Direct Mount - Terminal Block	6
1546144-1	0921	900 Series, Medium Duty	Strap Screw - Channel Mount - Terminal Block	6
1546147-1	924	900 Series, Medium Duty	Tubular Screw - Direct Mount - Terminal Block	6
1546148-1	0924	900 Series, Medium Duty	Tubular Screw - Channel Mount - Terminal Block	6
1546149-1	927	900 Series, Medium Duty	Quick Connect - Direct Mount - Terminal Block	6
1546163-1	930	900 Series, Medium Duty	End sections - Direct Mount	6
1546164-1	0930	900 Series, Medium Duty	End sections - Channel Mount	6
1546234-1	925	900 Series, Medium Duty	Tubular Clamp - Direct Mount - Terminal Block	6
1546234-2	D925	900 Series, Medium Duty	Tubular Clamp - Direct Mount Duramax	6
1546235-1	0925	900 Series, Medium Duty	Tubular Clamp - Channel Mount - Terminal Block	6
<b>2</b>				
2-1437381-0	2B102	B100, #B100 Series, One-Piece Phenolic Blocks	Terminal block - Brass screw w/strap - 2 circuits	24
2-1437381-2	2B104	B100, #B100 Series, One-Piece Phenolic Blocks	Terminal block - Brass screw w/strap - 4 circuits	24
2-1437390-0	0242	200 Series, Heavy Duty	Tubular Screw - Channel Mount - Terminal Block	12
2-1437390-1	0243	200 Series, Heavy Duty	Tubular Clamp - Channel Mount - Terminal Block	12
2-1437390-5	0250	200 Series, Heavy Duty	End sections - Channel Mount	12
2-1437390-7	211	200 Series, Heavy Duty Phenolic Blocks	Strap Screw - Direct Mount - Terminal Block	18
2-1437390-8	212	200 Series, Heavy Duty Phenolic Blocks	Tubular Screw - Direct Mount - Terminal Block	18
2-1437393-3	41-BU	200 Series, Heavy Duty Phenolic Blocks	Jumper for Strap contacts	19
<b>3</b>				
3-1437381-3	2B112	B100, #B100 Series, One-Piece Phenolic Blocks	Terminal block - Brass screw w/strap - 12 circuits	24
3-1437382-0	B104	B100, #B100 Series, One-Piece Phenolic Blocks	Terminal block - Steel screw w/strap - 4 circuits	24
3-1437390-1	221	200 Series, Heavy Duty Phenolic Blocks	Strap Screw - Direct Mount - Terminal Block	18
3-1437390-3	222-BU	200 Series, Heavy Duty Phenolic Blocks	Tubular Screw - Direct Mount - Terminal Block	18
3-1437390-6	223-BU	200 Series, Heavy Duty Phenolic Blocks	Tubular Clamp - Direct Mount - Terminal Block	18
<b>4</b>				
4-1437382-0	B106-BU	B100, #B100 Series, One-Piece Phenolic Blocks	Terminal block - Steel screw w/strap - 6 circuits	24
4-1437390-0	242	200 Series, Heavy Duty	Tubular Screw - Direct Mount - Terminal Block	12
4-1437390-1	243	200 Series, Heavy Duty	Tubular Clamp - Direct Mount - Terminal Block	12
4-1437390-3	250	200 Series, Heavy Duty	End sections - Direct Mount	12
4-1437393-0	65-BU	Accessories	Nylon holding plug	7, 13, 19
<b>5</b>				
5-1437381-8	4B106P	B100, #B100 Series, One-Piece Phenolic Blocks	Shorting terminal block - Brass screw w/strap - 6 circuits	24
5-1437382-9	B112-BU	B100, #B100 Series, One-Piece Phenolic Blocks	Terminal block - Steel screw w/strap - 12 circuits	24
<b>9</b>				
9-1437381-1	60	Accessories	Steel Mounting Channel - 6 feet	7, 13, 19
9-1437381-5	61	Accessories	Screw Channel Clamp	7, 13, 19
9-1437381-8	63-BU	Accessories	Steel Mounting Channel - 3 feet	7, 13, 19
9-1437381-9	64	Accessories	Pre-punched Aluminum Mounting Channel - 6 feet	7, 13, 19

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