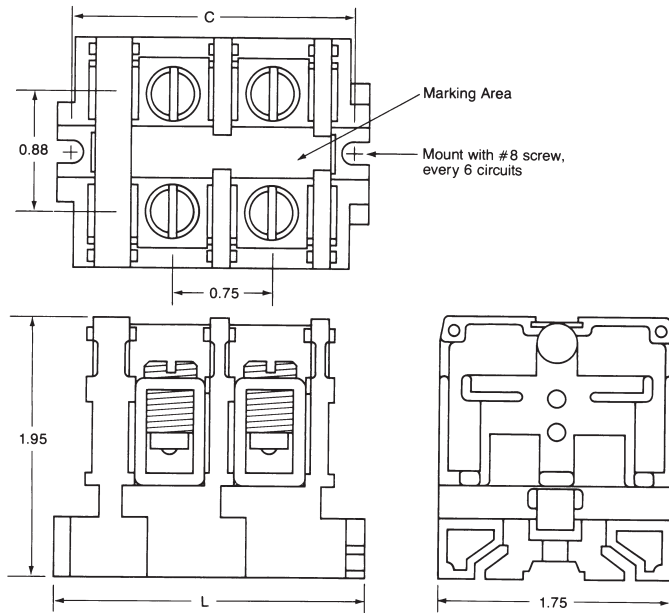
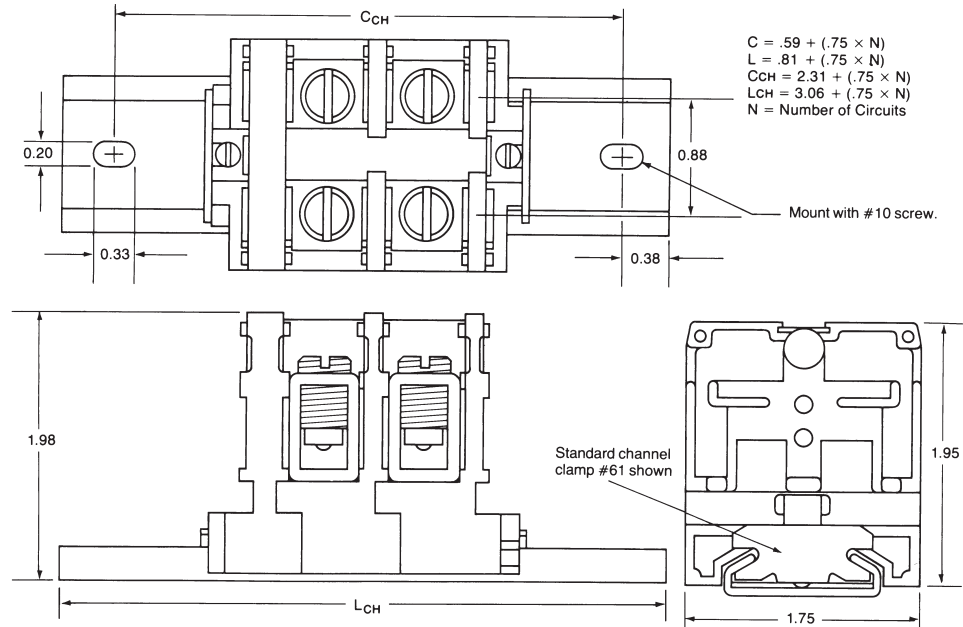


800 Series, Intermediate Heavy Duty

Flat Base



Dovetail Base Mounted On Standard #60 Channel



400 Series, Ultra Heavy Duty

Product Facts

400 Series

- Compact 2/0 or 250 kcmil (MCM) block - at least 57 circuits per 6-foot length, 1-3/16" [30.16] center-to-center spacing.
- High current capacity snap-fit sectional block — tubular contacts accept single or combinations of wire sizes as large as 250 kcmil (MCM).
- Two contact styles available; rated up to 270 amperes for copper wire.
- Allen head screws allow maximum torque when using large wire sizes.
- Withstand voltages in excess of IEEE switchgear standards for 750 volts. Meet clearance and creepage spacing specified in UL, CSA, and NEMA Industrial Control Standards for 600 volts.
- Same block directly mounts on surface or channel mounts.
- Only one end section needed per block assembly.
- Readily identify circuits—order blocks with painted marking area or use removable vinyl marking strip. Preprinted marking strips are also available.
- Factory assembled blocks available.
- Ultra Heavy Duty phenolic block sections do not snap-fit with other block styles.



This Ultra Heavy Duty line includes the 400 Series rated up to 270 A.



400 Series, Ultra Heavy Duty, 600 V, 1.19" [30.23] Pitch



Material & Finish

Housing Material—Phenolic, filled flame retardant

Flammability—UL94V-1

Color—Black

Contacts:

Material—Electrical grade copper conductor; plated steel screws resist corrosion

Tubular Screw Type—

- Small: 1/2" [12.7] - 13 Hex
- Large: 3/4" [19.05] - 16 Hex socket set screw

Mechanical Properties

Pitch (terminal spacing)—

1.19" [30.23]; 9 circuits/foot

Wire Strip Length—

- Tubular Screw (small): 1" [25.4]
- Tubular Screw (large): 1" [25.4]

Electrical Properties

Maximum Current—255A for a single 250MCM wire

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

Wire Range—Tubular Screw (small): #12-#2/0 AWG solid or stranded; Tubular Screw (large): #6 AWG-250 kcmil (MCM) solid or stranded

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

Breakdown Voltage, AC, 60Hz—

- Contact-to-Contact: 10,000V
- Contact-to-Ground: 10,000V

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

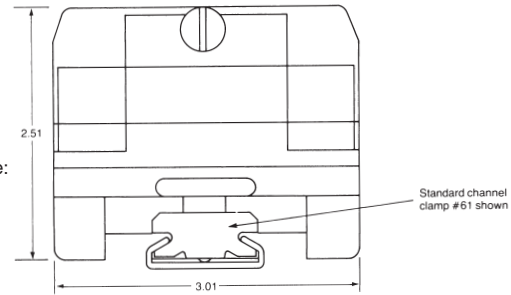
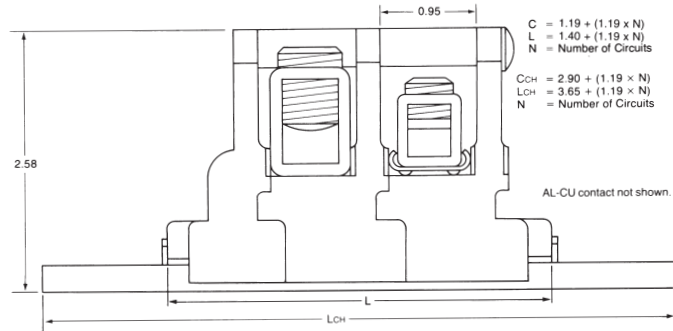
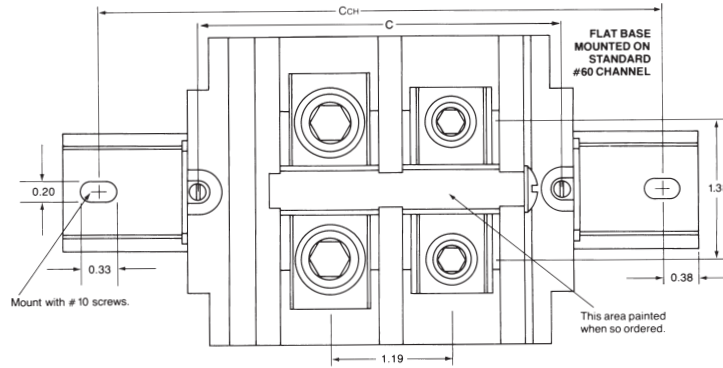
Environmental Properties

Max. Continuous Temperature—150°C [302°F]

Water Absorption (24hrs. % wt. gain)—.45% per ASTM D149

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

Radiation Resistance (ergs g-1 (C))—2.7 x 108



Note: For Direct Mounting, use #10 pan head screws every six circuits. recommended torque: 15-20 in.-lbs.

Same part used for both panel and channel mounting.

Description	Wire Range	Part Number	Catalog Number
Tubular Screw, Unpainted	#12-2/0	1437396-4	416
Tubular Screw, Painted	#12-2/0	1437396-7	426-BU
Tubular Screw, Unpainted	#6-250 kcmil/MCM	1437396-5	417
Tubular Screw, Painted	#6-250 kcmil/MCM	1437396-8	427-BU
End Section	—	1437396-9	430-BU

UL Independent Testing Service Recognitions:

Tubular Screw: Catalog # 416 & 426-BU

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

Tubular Screw: Catalog # 417 & 427-BU

- 1 #250kcmil (MCM), 1 #4/0 AWG, 1 #3/0 AWG,
- 1 or 2 #2/0 AWG, 1 or 2 #1/0 AWG, 1 or 2 #1 AWG, 1 to 3 #2 AWG, 1 to 4 #4 AWG,
- 1 to 5 #6 AWG



400 Series, Ultra Heavy Duty Accessories

Mounting Channel

Channel Clamps



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

Marking Accessories



Plastic Cloth Tape	Vinyl Marking Strips	Elevated Marking Strip	Holding Screw
Part Number			
8-1437381-0	6-1437381-3	4-1437391-1	7-1437381-8
Catalog Number			
55-BU	50-BU	52-BU	53-BU
Standard Length			
50 feet	25 feet	18 inches	—

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".

Example: Ten tubular screw sections preassembled on channel = 041710

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.

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.

Engineering Notes

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

Fuse & Switch

Product Facts

High Density Blocks

- Fuse and Switch Blocks rated 15A and 300V.
- High Density 0.36" [9.14] centerline spacing saves panel space; at least 33 circuits per foot.

Fuse Blocks

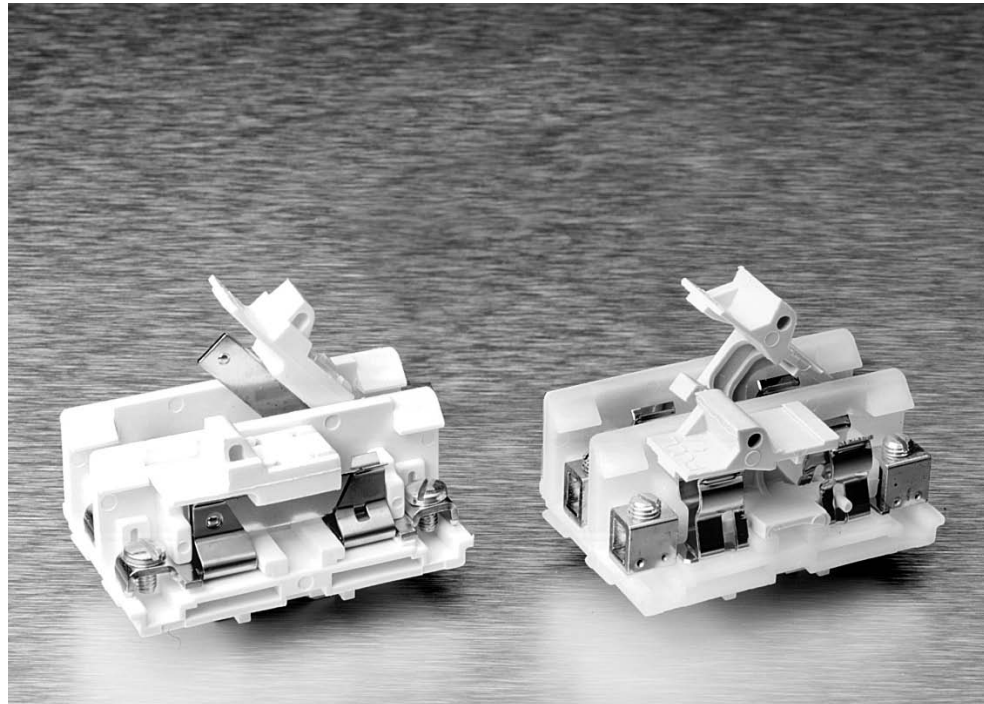
- Provide in-line circuit protection for virtually any circuit or group of circuits — select contacts for terminated or unterminated wire.
- Remove, check and replace fuses safely and quickly — switch action fuse blocks open circuits before fuse can be removed or installed.
- Contacts conservatively rated to 30 amperes.

Switch Blocks

- Quickly and easily interrupt a circuit or group of circuits — insert switch blocks directly in line. Contacts available for terminated or unterminated wire.
- Keep circuits open for extended periods — switch blade can be removed entirely from block for lock-out protection.
- Rated to 15 amperes.

Common Features of 300 & 0300 Series

- At least 91 circuits per 6-foot length, 3/4 inch center-to-center spacing.
- Blocks meet 600 volt clearance and creepage spacings specified in UL, CSA, and NEMA Industrial Control Standards.
- Choose nylon housing material — for more rugged applications; polypropylene for fire retardant characteristics.
- Dovetail base fits standard mounting channel — can also be mounted on flat surfaces.
- Only one end section needed per block assembly.

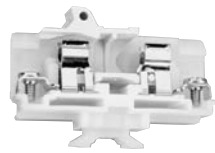


- Readily identify circuits — mark directly on white, matte-surface puller assembly, marking tab on block, or use removable marking tape.
- Open or close several circuits simultaneously — holes in puller handles allow use of nylon “ganging” rods.
- Fuse and Switch block sections snap-fit with 300 & 600 Volt, phenolic Medium Duty, Heavy Duty, and Intermediate Heavy Duty blocks.

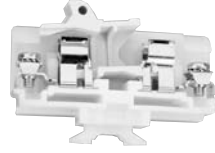
This broad line features High Density Blocks (Series 0135), Nylon & Polypropylene Blocks (Series 0300) and Phenolic Blocks (Series 300).



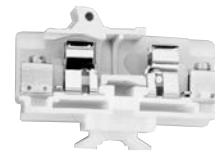
0300 Series, Fuse & Switch, Nylon and Polypropylene



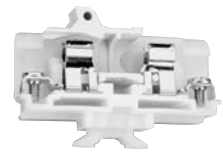
Fuse Block Strap Screw



Fuse Block Strap Clamp



Fuse Block Tubular Screw



Switch Block Strap Screw

Characteristics

Type of Block	Model	Part Number	Model	Part Number	Model	Part Number	Model	Part Number
Channel Mount (Dovetail Base)								
Nylon	0311	1437397-1	0318	1437397-3	0312	1437397-2	0371	1-1437397-7
Polypropylene	P0311	4-1437397-0	P0318	4-1437397-3	P0312	4-1437397-2	P0371	4-1437397-4
Corrosion Resistant Nylon	D0311	1-1437389-1	D0318	1776726-1	D0312	1-1437389-2	D0371	1-1437389-7
Corrosion Resistant Polypropylene	DP0311	6-1437389-2	DP0318	1776727-1	DP0312	6-1437389-3	DP0371	1776728-1

Contact Type



Specifications

Wire Range (AWG) Solid & Stranded	22-8	18-8	18-8	22-8
Wire Strip Length (in.)	—	1/2	1/2	—
Screw Type	10-32 binding head	8-32 pan head w/clamp	1/4"-28 set screw	10-32 binding head

Ampacity

25 A	25 A	25 A	15 A
------	------	------	------

End Sections

Channel Mount, Nylon	0380	2-1437397-0	0380	2-1437397-0	0380	2-1437397-0	0380	2-1437397-0
Channel Mount, Polypropylene	P0380	4-1437397-7	P0380	4-1437397-7	P0380	4-1437397-7	P0380	4-1437397-7

Notes: Standard package is 100 pieces for contact, 25 pieces for end section.

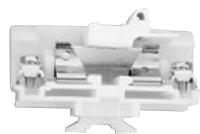
For factory assembled blocks on channel, suffix Catalog Number with number of blocks desired. Without channel delete "0" prefix on Catalog Number.

EXAMPLE:

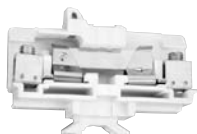
Ten strap-screw fuse block sections preassembled on channel = 031110.

For blocks with two or more contact types, preassembled with other blocks, imprinting or special features, consult Technical Support.

0300 Series, Fuse & Switch, Nylon and Polypropylene (Continued)



Switch Block Strap Clamp



Switch Block Tubular Screw

Model	Part Number	Model	Part Number
0378	1-1437397-9	0372	1-1437397-8
P0378	4-1437397-6	P0372	4-1437397-5
D0378	1776729-1	D0372	1776731-1
DP0378	1776730-1	DP0372	1776732-1



18-8	18-8		
1/2	1/2		
8-32 pan head w/clamp	1/4"-28 set screw		
15 A	15 A		
0380	2-1437397-0	0380	2-1437397-0
P0380	4-1437397-7	P0380	4-1437397-7

Fuse Puller:

Material	High-temperature, glass-reinforced nylon
Color	Black

Switch Handle:

Material	Polypropylene
Color	White

Specifications

Pitch—0.75" [19.05] centerline, 16 circuits per foot

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 IEE switchgear standards for 750 volts.

Fuse Size—Any 13/32 x 1-1/2 in. [10.32 x 28.10] ferrule type cartridge fuse up to 25 amps, indicating or non-indicating, which meets Mil. Spec. F-15160.

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 meets specification QQ-N-290A Class I, Grade G.

Polyamide Material:

Housing Material—Polyamide, Unfilled Type 6/6

Max. Continuous Temperature—125°C, (257°F)

Breakdown Voltage (AC, 60 Hz)—

Contact-to-Contact: 7000V

Contact-to-Ground: 10,000V

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

UL High Voltage Arc Tracking (inches/min.)—0.1-.35 [25-8.89]

Water Absorption (24 hrs. % wt. gain)—1.5% per ASTM D570

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

Polypropylene Material:

Housing Material—Polypropylene, Filled self-extinguishing

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

Breakdown Voltage (AC, 60Hz)—

Contact-to-Ground: 10,000V

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

0300 Series, Fuse & Switch, Nylon and Polypropylene (Continued)

Mounting Channel



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

Channel Clamps

Marking Accessories



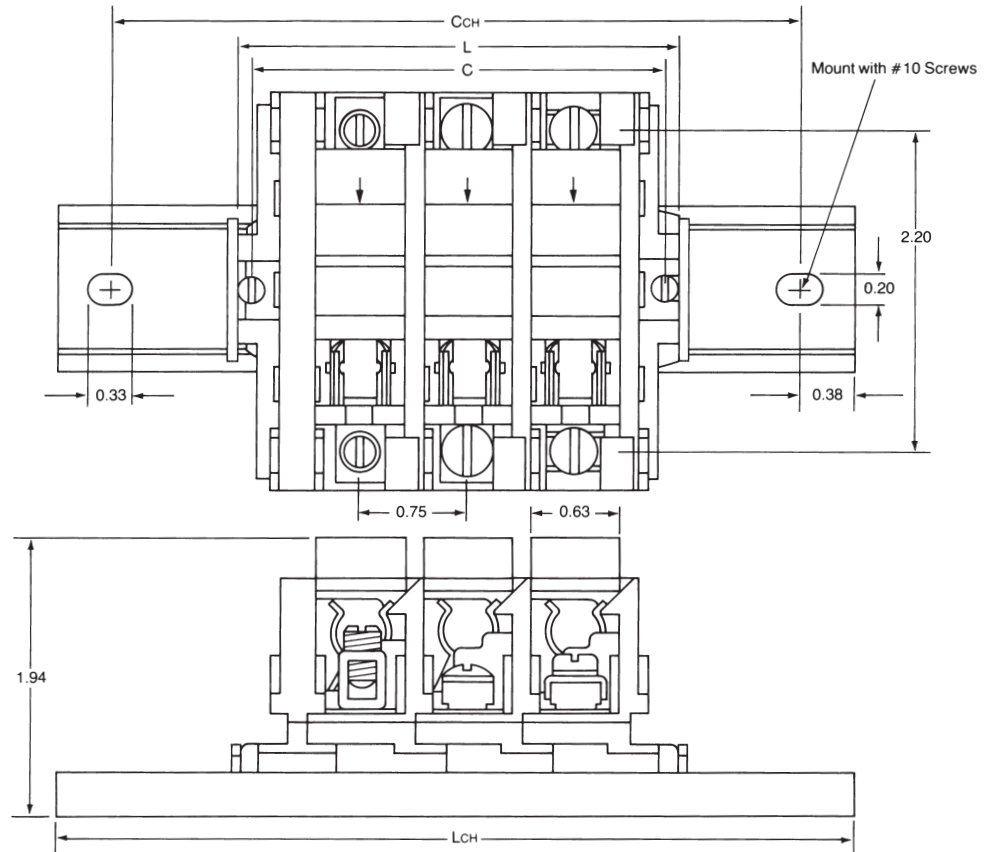
Screw Channel Clamps	Universal Clamps	Snap-In Clamps	Ganging Rod	Coated Cloth Marking tape
Part Number				
9-1437381-5	1437382-3	9-1437381-7	3-1437381-9	8-1437381-0
Catalog Number				
61	68	62	30	55-BU
Standard Length				
—	—	—	2 feet	50 feet

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.

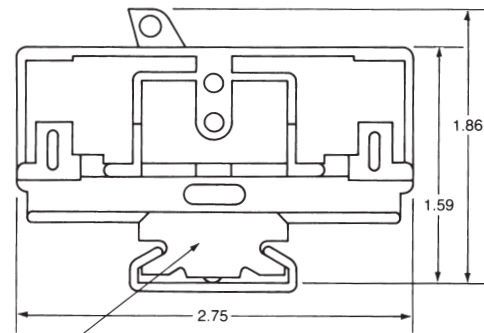
0300 Series, Fuse & Switch, Nylon and Polypropylene (Continued)

Dovetail Base Mounted On Standard #60 Channel. May Also Be Mounted Direct



CHANNEL MOUNTED
 $CCH = 2.28 + (.75 \times N)$
 $LCH = 3.03 + (.75 \times N)$
 N = Number of Circuits

DIRECT MOUNTED
 $C = .56 + (.75 \times N)$
 $L = .78 + (.75 \times N)$
 N = Number of Circuits



Standard Channel Clamp #61 Shown

300 Series, Fuse & Switch, Phenolic



Characteristics **Strap Screw** **Strap Clamp** **Tubular Screw**

Type of Block	Model	Part Number	Model	Part Number	Model	Part Number
Direct Mount (Flat Base)						
Fuse Block with Puller	351	2-1437397-8	358	3-1437397-1	352	3-1437397-0
Fuse Block without Puller	361	2-1437397-2	368-BU	3-1437397-5	362-BU	3-1437397-3
Switch Block	341	2-1437397-5	348	2-1437397-7	342	2-1437397-6
Channel Mount (Dovetail Base)						
Fuse Block with Puller	0351	1437397-9	0358	1-1437397-2	0352	1-1437397-0
Fuse Block without Puller	0361	1437397-4	0368	1-1437397-6	0362	1-1437397-5
Switch Block	0341	1437397-6	0348	1437397-8	0342	1437397-7

Contact Type



Specifications

Wire Range (AWG) Solid & Stranded	22-8	18-8	18-8
Wire Strip Length (in.)	—	1/2	1/2
Screw Type	8-32 binding head	8-32 pan head w/clamp	1/4"-28 set screw

Ampacity

Fuse Blocks	25A	25A	25A
Switch Blocks	15A	15A	15A

End Sections

No Contact, Flat Base	330-BU	2-14376397-4	330-BU	2-14376397-4	330-BU	2-14376397-4
No Contact, Dovetail Base	0330	14376397-5	0330	14376397-5	0330	14376397-5

Notes: Standard package is 10 pieces.

For factory assembled blocks, suffix Catalog Number with number of blocks desired (Maximum number of flat base preassembled sections is 6).

EXAMPLE:

Twelve strap screw, fuse block sections preassembled on channel = 035112.

Six flat tubular screw, switch blocks preassembled without channel for direct mounting = 3426

For blocks with two or more different contact sections, preassembled with other blocks, imprinting 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 Number with "D".

Comparison (Type of Block)



Direct Mount (Flat Base)

Channel Mount (Dovetail Base)

Except Switch Blocks



LR25557

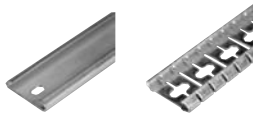


E34934

Electronics

300 Series, Fuse & Switch, Phenolic—Accessories

Mounting Channel



Steel Channel	Break Away Steel	Pre-punched Aluminum Channel	Fuse Puller	3-Gang Fuse Puller
Part Number				
9-1437381-1 9-1437381-8	9-1437381-2	9-1437381-9 1437382-2	2-1437397-1	2-1437397-2
Catalog Number				
60-BU 63-BU	60-B-36	64 67	31-BU	32
Standard Length				
6 feet 3 feet	3 feet	6 feet 3 feet	—	—

Fuse Puller

Physical Properties

Housing Material—Phenolic, filled flame retardant
Color—Black

Contacts

Material—Copper alloy spring clips. Steel screws plated to resist corrosion in most industrial applications

Strap Screw—11/32" max. lug width

Mechanical Properties

Pitch (terminal spacing)—0.75" [19.05]
(16 circuits per foot)

Fuse Puller

Material—High temperature, glass-reinforced polyamide

Color—Beige

Switch Handles

Material—Polypropylene

Color—White

Electrical Properties

Operating Voltage—Blocks meet 600V creepage and clearance requirements of NEMA, UL and CSA standards for general industrial control equipment and panelboards; withstand voltage exceeds IEEE switchgear standards for 750V

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

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

Fuse Size—Any 13/32 x 1-1/2 in. [10.32 x 38.10] ferrule type cartridge fuse up to 25 amps, indicating or non-indicating, which meets Mil. Spec. F-15160, is recommended.

Environmental Properties

Max. Service Temperature—150°C (302°F)

Water Absorption (24hrs. % wt. gain)—0.45% per ASTM D570

Flammability Rating—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

UL Independent Testing Service Recognitions:

Wire Sizes—Solid or Stranded, Tubular Screw Cat. # 362-BU, 0362

1 #4 AWG, 1 #6 AWG, 1 #8 AWG,
1 to 4 #10 AWG, 1 to 5 #12 AWG, 1 to 6
#14 AWG, 1 to 6 #16 AWG, 1 to 8 #18 AWG

Channel Clamps



Marking Accessories

Screw Channel Clamps	Universal Clamps	Snap-In Clamps	Ganging Rod	Coated Cloth Marking Tape
Part Number				
9-1437381-5	1437382-3	9-1437381-7	3-1437381-9	8-1437381-0
Catalog Number				
61	68	62	30	55-BU
Standard Length				
—	—	—	2 feet	50 feet

Related Product Data

Wire Pins and Ferrules—Pages

132-134

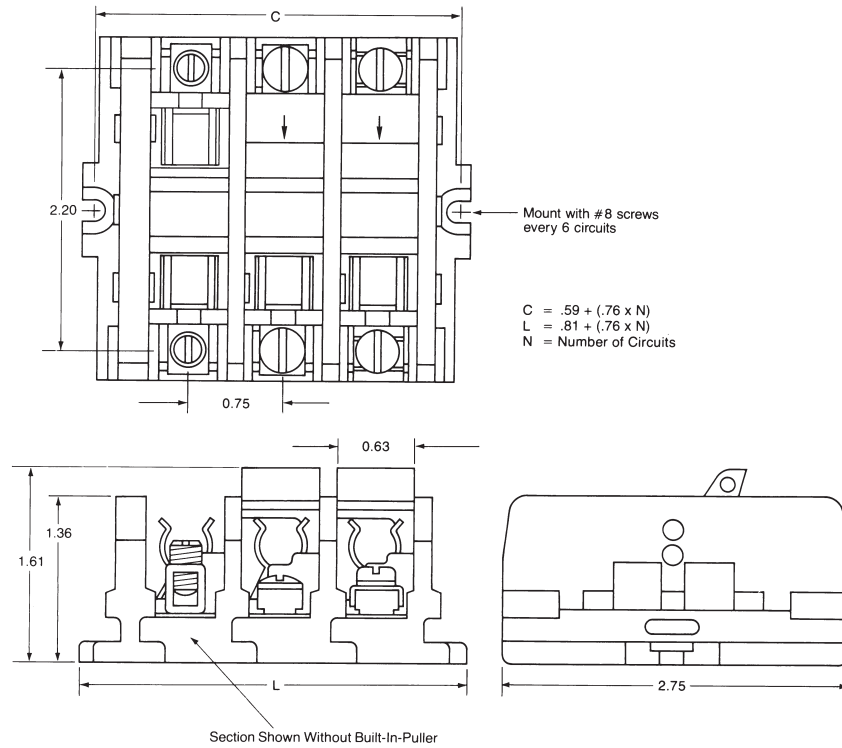
For more information on AMP Standard Terminals and Splices or Quick-Connect FASTON Receptacles and Tabs, request Catalog 82042.

Cat #'s
31 and
32

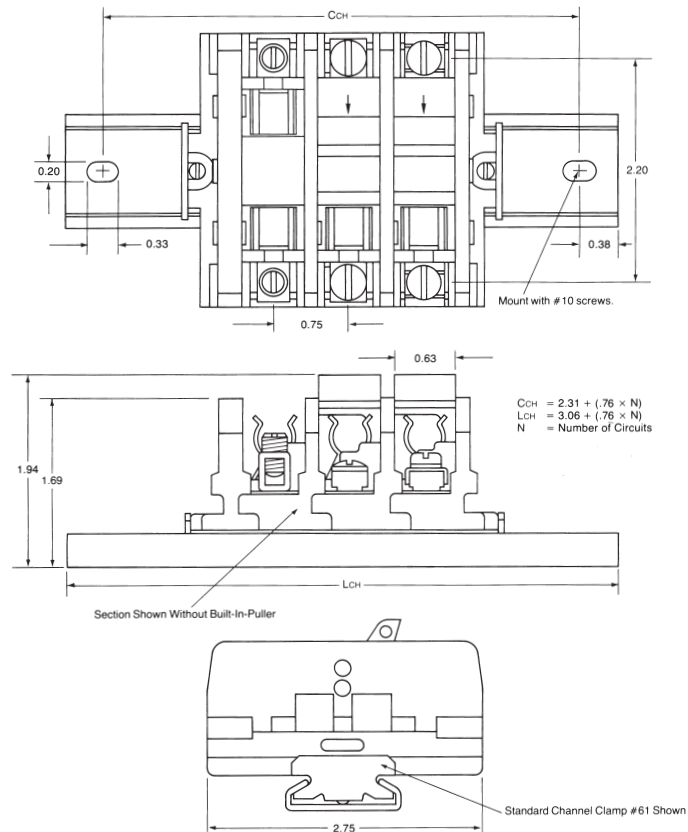


E63810

300 Series, Fuse & Switch, Phenolic, Flat Base



Dovetail Base Mounted On Standard #60 Channel

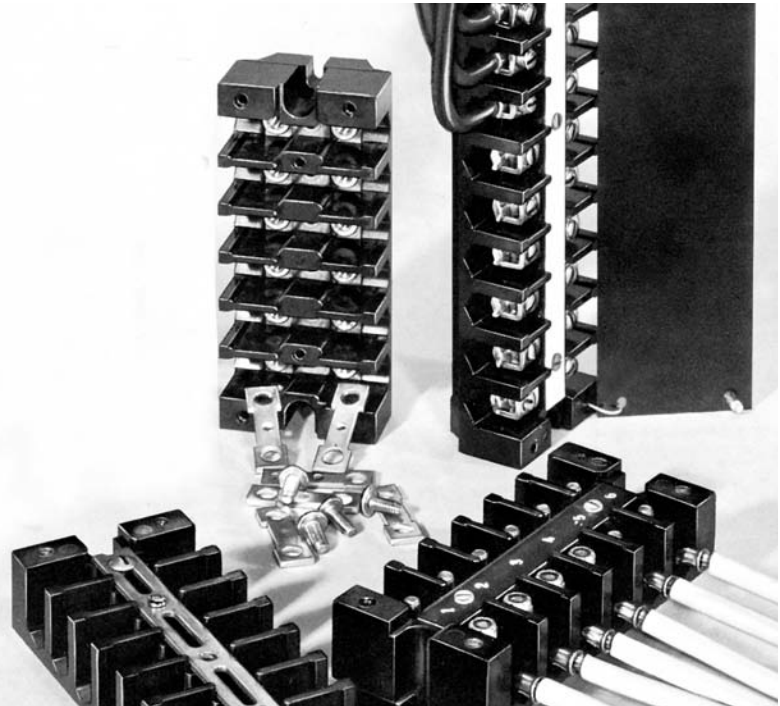


One-Piece Phenolic Blocks

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.



B100, #B100 Series, One-Piece Blocks, 600 V — Phenolic

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; Tubular Clamp: #14-6 AWG solid or stranded

Screw Type—Strap Screw: #10-32 Binding Head; Tubular Clamp: #1/4" [6.35]-28 Set Screw

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; Tubular Clamp: 1/2" [12.1]

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

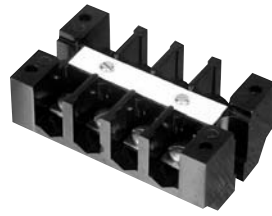
Chemical Resistance—Resistant to acids, alkalis, and aliphatic hydrocarbons and ketones per ASTM D543




Radiation Resistance (ergs G⁻¹ (C))—2.7 x 10⁸ min

UL Independent Testing Service Recognitions

Wire Sizes—Solid or Stranded, Tubular Clamp

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



Circuits	Steel Screw w/Strap		Tubular Clamp		Brass Screw w/Strap	
	Part Number	Catalog Number	Part Number	Catalog Number	Part Number	Catalog Number
Contact Type						
						
AMPACITY						
	50A		65A		50A	
Standard						
2	2-1437382-6	B102	2-1437382-8	B102S	2-1437381-0	2B102
4	3-1437382-0	B104	3-1437382-6	B104S	2-1437381-2	2B104
6	4-1437382-0	B106-BU	4-1437382-5	B106S	2-1437381-6	2B106
8	4-1437382-9	B108	5-1437382-5	B108S	3-1437381-0	2B108
12	5-1437382-9	B112-BU	6-1437382-7	B112S	3-1437381-3	2B112
Shorting						
2	4-1437381-0	3B102P	—	—	5-1437381-6	4B102P
4	4-1437381-1	3B104P	—	—	5-1437381-7	4B104P
6	4-1437381-3	3B106P	—	—	5-1437381-8	4B106P
8	4-1437381-5	3B108P	—	—	5-1437381-9	4B108P
12	4-1437381-7	3B112P	—	—	5-1437381-0	4B112P

Circuits	Strap Screw #8 & Smaller		Threaded Post & Nut	
Removable Link				
2	8-1437381-4	5B102	—	—
4	8-1437381-5	5B104	—	—
6	8-1437381-7	5B106	—	—
8	8-1437381-8	5B108	—	—
12	9-1437381-0	5B112	—	—
Stud, #10-32				
2	—	—	1-1437382-8	7B102
4	—	—	2-1437382-0	7B104
6	—	—	2-1437382-1	7B106
8	—	—	2-1437382-2	7B108
12	—	—	2-1437382-3	7B112

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.

Screws and removable links shipped unassembled.

Except for 3B and 4B Series



B100, #B100 Series, One-Piece Blocks, 600 V — Phenolic Accessories

Covers and Marking



Circuits	Laminated Phenolic Cover		Shorting Block Cover		White Marking Strip		Numbered Marking Strip	
	Part Number	Catalog Number	Part Number	Catalog Number	Part Number	Catalog Number	Part Number	Catalog Number
2	7-1437382-5	C102-BU	9-1437382-2	CS102	1-1437383-5	S102	1776733-2	N102
4	7-1437382-6	C104-BU	9-1437382-3	CS104	1-1437383-6	S104	1-1437383-1	N104
6	7-1437382-7	C106-BU	9-1437382-4	CS106	1-1437383-7	S106	1-1437383-2	N106
8	7-1437382-8	C108-BU	9-1437382-5	CS108	1-1437383-8	S108	1-1437383-3	N108
12	7-1437382-9	C112-BU	9-1437382-6	CS112	1-1437383-9	S112	1-1437383-4	N112

Jumpers

Hardware



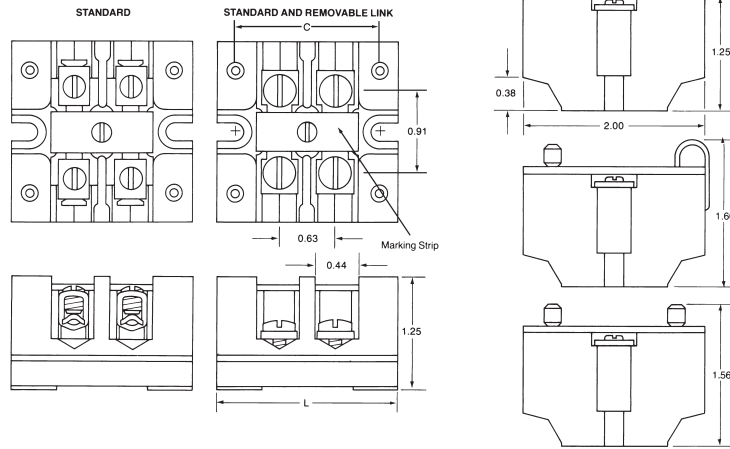
Circuits	30A Copper Jumpers		50A 12 Circuit Jumpers		Connecting Link		Lock Nuts		Shorting Screw	
	Part No.	Catalog No.	Part No.	Catalog No.	Part No.	Catalog No.	Part No.	Catalog No.	Part No.	Catalog No.
2	1437383-2	J102	—	—	—	—	—	—	—	—
4	1437383-3	J104	—	—	—	—	—	—	—	—
6	1437383-4	J106	—	—	—	—	—	—	—	—
8	1437383-5	J108	—	—	—	—	—	—	—	—
12	1437383-6	J112	1437395-9	HJ112	—	—	—	—	—	—
Hardware										
—	—	—	—	—	9-1437382-0	CL101	1437383-7	LN101-BU	7-1437381-7	51-BU

Related Product Data

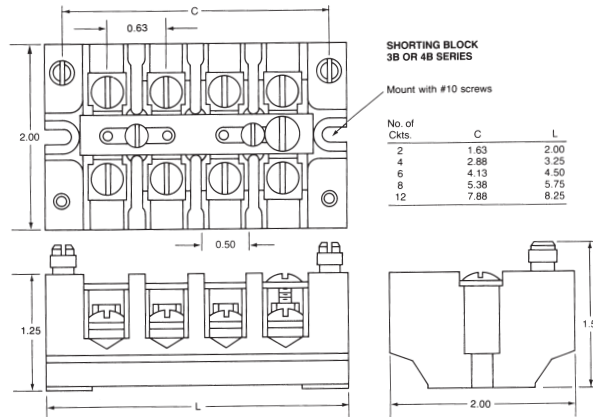
Wire Pins and Ferrules—Pages 108-110
 For more information on AMP Standard Terminals and Splices or Quick-Connect FASTON Receptacles and Tabs, request Catalog 82042.



B100, #B100 Series, One-Piece Blocks, 600 V — Phenolic



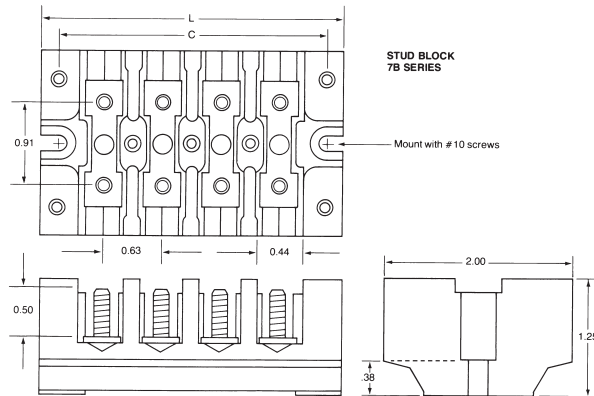
No. of Ckts.	C	L
2	1.63	2.00
4	2.88	3.25
6	4.13	4.50
8	5.38	5.75
12	7.88	8.25



**SHORTING BLOCK
3B OR 4B SERIES**

Mount with #10 screws

No. of Ckts.	C	L
2	1.63	2.00
4	2.88	3.25
6	4.13	4.50
8	5.38	5.75
12	7.88	8.25



**STUD BLOCK
7B SERIES**

Mount with #10 screws

Pre-Printed Marking Strips

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 = ... 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 = ... 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

Cat. No.	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			
105-BU 115 125-BU	High Density Tubular Clamp	Electroplated Tubular Copper Contact	6-32 Slotted Head Screw	033" Wide x .040" Deep [1.84 x 1.02] Steel	Steel Electroplated	.020" [.51]	9/64" [.02]	5/16" [7.94]	#12-30	10
211 241	HeavyDuty Strap Screw	Copper Alloy Strap Electroplated	Binding Head 10-32 Thread	062" Wide x 062" Deep [1.57 x 1.57]	"	.037" [.94]	1/4" [6.35]	As Needed for Lugging	#8 or Smaller	12
212 222-BU 242	Heavy Duty Tubular Screw	Electroplated Tubular Copper Contact	Headless 1/4"-28 Thd. Slotted	3/64" Wide x 1/16" Deep [1.19 x 1.59]	"	"	"	1/2" [12.7]	#4-18	35
213 243	Heavy Duty Tubular Clamp	"	"	"	"	"	"	"	#6-18	35
218 248	Heavy Duty Strap Clamp	Copper Alloy Strap Electroplated	Pan Head Saddle Clamp 8-32 Thd.	3/64" Wide x 3/64" Deep [1.19 x 1.19]	"	"	"	"	#8-18	12
351 361 0311	Fuse Block Strap Screw	Copper Alloy Electroplated Spring Temper	Binding Head 8-32 Thd.	"	"	"	"	As Needed for Lugging	#8 or Smaller	10
358 368 318	Fuse Block Strap Clamp	"	Pan Head w/SaddleClp. 8-32 Thd.	"	"	"	"	1/2" [12.7]	#8-18	"
352 362-BU 312	Fuse Block Tubular Screw	Same as above except use H.D. Tubular Contact	Headless 1/4"-28 Thd. slotted	"	"	"	"	"	"	"
341 371 342	Switch Block Strap Screw	CopperAlloy Electroplated Spring Temper	"	"	"	"	"	As Needed for Lugging	#8 or Smaller	"
348 0378	Switch Block Strap Clamp	"	Pan Head w/SaddleClp 8-32 Thd.	"	"	"	"	1/2" [12.7]	#8-18	"
342 0372	Switch Block Tubular Screw	Same as above except use H D. Tubular Contact	"	"	"	"	"	"	"	"
416 426-BU	Extra Heavy Duty Tubular Screw	Electroplated-Tubular Copper Contact	1/2"-13 Hex Socket Hd. Set Screw	1/4" [6.35] Hex	"	1/2" [12.7] Hex	T-Bar Key	7/8" [22.23]	#12-2/0	200

Note: Representative Catalog Numbers Listed.

Technical Summary (Continued)

Cat. No.	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			
417	Extra HD	Electroplated	3/4"-16 Hex Socket Head Set Screw	3/8" Hex [9.53]	Steel Electroplated	3/8" Hex [9.53]	KeyT-Bar	1" [25.4]	#6-250	375 kcmil (MCM)
427-BU	Tubular Screw	Tubular Copper Contact								
517 617 717	Medium Duty Quick-Connect	1/4" Wide QC .032" Thk Copper Alloy Electroplated	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
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
1546152-1	Medium Duty QC & Tubular Screw	1/4" Wide QC .032" Thk. Tubular Contact Both Copper Alloy Electroplated	"	"	"	"	"	"	#8-18	10
1546148-1	Medium Duty Tubular Screw	Electroplated Tubular Copper Contact	"	"	"	"	"	"		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]	"	"	"	As Needed for Lugging	#8 or Smaller	12
824-BU	Intermediate Tubular Screw	Electroplated Tubular Copper Contact	7/16"-20Thd. Slotted Headless	5/64" Wide x 5/64" Deep [1.98 x 1.98]	"	.041" [1.04]	3/8" [9.53]	11/16" [17.46]	#12-1/0	50
B102 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]	"	.037" [.94]	1/4" [6.35]	As Needed for Lugging	#8 or Smaller	20
B102S B112S	One-Piece Blk. Tubular Contact	Tubular Contact	1/4" -28 Thd. Headless Set Screw	3/64" Wide x 3/64" Deep [1.19 x 1.19]	"	"	"	1/2" [12.7]	#6-14	45

Note: Representative Catalog Numbers Listed.

UL 1059 Basic Voltage Rating

Voltage ratings of terminal blocks are based on the minimum spacing between electrical conductive parts of opposite polarity or between an electrically conductive part and a metal mounting surface measured under two conditions: Through Air, defined as the distance an arc must take through the air to go from one live conductor to another or from a live conductor to ground; and Over Surface, defined as the distance an arc must take over a surface of the insulating material going from one terminal to ground, assuming the arc will travel along the surface rather than through the air. The following chart shows UL 1059 spacing requirements in inches.

Voltage Rating

Description	Voltage	Spacing Requirements	
		Thru Air	Over Surface
Class A Service equipment including deadfront switchboards, panel boards, service entrance devices, etc.	51 - 150 151 - 300 251 - 600	1/2 [12.7] 3/4 [19.05] 1 [25.4]	3/4 [19.05] 1 1/4 [31.75] 2 [50.8]
Class B Commercial appliances including business equipment, electronic data processing equipment and the like	51 - 150 151 - 300 251 - 600	1/16 [1.59] 3/32 [2.38] 3/8 [9.53]	1/16 [1.59] 3/32 [2.38] 1/2 [12.7]
Class C General industrial and machine tools; controls which can be further defined as equipment falling under UL508	51 - 150 151 - 300 301 - 600	1/8 [3.18] 1/4 [6.35] 3/8 [9.53]	1/4 [6.35] 3/8 [9.53] 1/2 [12.7]
Devices having limited ratings ^a	51 - 300 301 - 600	1/16 [1.59] 3/16 [4.76]	1/8 [3.18] 3/8 [9.53]

^aLoad on any single circuit can not exceed 15 A at 51-150 V, 10 A at 151-300 V, 5 A at 301-600 V or the maximum current rating, whichever is less.

Standard Test Criteria

Test	Per:
Heat Cycling (term)	UL486E Section 10
Static Heating (term)	UL486E Section 11
Secureness	UL486E Section 12
Pullout	UL486E Section 14
Heating Test (block)	UL1059 Section 10
Dielectric Withstand	UL1059 Section 11
Strength of Base	UL1059 Section 13
Tab Pull	UL1059 Section 14
VPTA	UL1059 Section 15
Salt Spray	MIL-202 Method 101
Solderability	MIL-202 Method 208
Solvents	MIL-202 Method 215