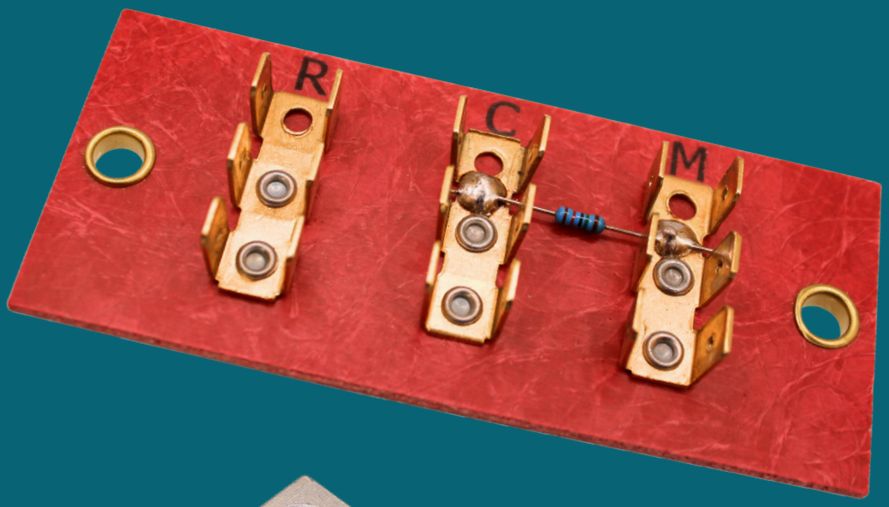
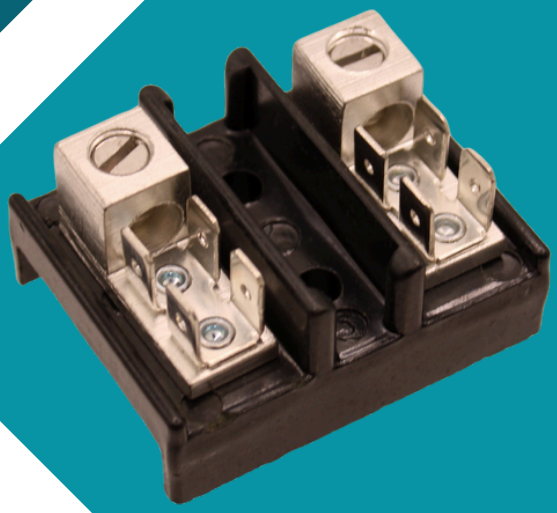
ELECTRON™

"Your Source with the **Right Connections**"





- Terminal Blocks & Components
- Grounding & Mechanical Lugs
- Custom Terminal Boards

OVER **80** YEARS

USA Leading Manufacturer
of Electrical Components

ELECTRON™

2050 E. Northern St. / Wichita, KS 67216
(316) 542-2993 / https://electron.northparkgroup.com

Table of Contents

About Us

Elec-Tron, based in Wichita, Kansas, has been proudly manufacturing power termination devices, electrical connectors, and wiring harness solutions in the USA since 1946. Originally founded as Zimco Metal Products, the company evolved from producing custom metal stampings to becoming a trusted partner for engineered electrical components.

Today, Elec-Tron serves OEMs across a wide range of industries, including: Appliances, Automotive, Electrical Distribution, Healthcare, HVAC, and Industrial Controls. In fact, there's a good chance an Elec-Tron component is already in your home—quietly powering your appliances or systems without you ever knowing it.

With fully integrated stamping, molding, and assembly operations, we control the entire production process—from raw material to final product—delivering over 10 million parts annually to more than 300 unique customers.

In 2022, Elec-Tron was acquired by North Park Group, a team of hands-on, values-driven owner-operators committed to strengthening American manufacturing. Under the leadership of President Caleb Edelman, we're entering a bold new chapter—investing in people, expanding capabilities, and actively pursuing new markets and product lines.

Our UL and CSA recognized products meet rigorous safety and compliance standards, and we remain committed to U.S.-based manufacturing. Whether you need a standard part or a fully custom assembly, Elec-Tron brings over 80 years of experience, reliability, and innovation to every connection—and we're just getting started.

Applications & Industries Served:

Appliances & HVAC
- **Ovens & Ranges, Refrigerators, Freezers, Microwaves, Washers & Dryers, Furnaces, Air Conditioners, Thermostat & HVAC Controls**

Foodservice & Vending
- **Food Equipment, Commercial Kitchens, Vending Machines**

Industrial & Electrical
- **Motor Controls, Industrial Automation, Electrical Panels, Material Handling, Lighting, Power Distribution**

Medical & Specialty Systems
- **Medical Devices, Access Control, Automatic Doors & Gates**

Office & Technology
- **Office Equipment, Computers, Copiers**

Vehicles & Machinery
- **RVs, Farm Equipment, Marine Panels, Military Vehicles**

Custom OEM Applications
- **Engineered solutions for unique product requirements**

What is your application?

ELEC TRON™

"You've probably never heard of Elec-Tron—but one of our parts is likely powering something in your home right now."

General Information

At Elec-Tron, quality and safety are built into everything we make. The majority of our products carry approvals from Underwriters Laboratories (UL) and the Canadian Standards Association (CSA)—a mark of trusted performance and compliance. You'll find specific approval details listed throughout this catalog, along with the following quick guide to the different certification marks and their meanings.

Products bearing the UL Listed mark have been tested and certified by Underwriters Laboratories to meet U.S. safety standards. When used within their specified ratings, these products are approved for integration into equipment without requiring additional agency evaluation.

This mark indicates that the product has been assessed by Underwriters Laboratories for compliance with both U.S. and Canadian safety standards. Underwriters Laboratories has assessed the product. When used within its rated specifications, no further end-use certification is necessary for equipment installation.

Products marked with the UL Recognized symbol have been evaluated to U.S. safety standards as components intended for incorporation into larger systems. These items are subject to specific use conditions and must be reviewed for suitability in the final application.

Indicates a component has met both U.S. and Canadian safety standards through UL evaluation. These components are designed to be used within other equipment and require proper consideration for safety compliance in the complete system.

This certification from the Canadian Standards Association confirms that the product complies with applicable Canadian safety requirements. It is approved for integration into other equipment where CSA confirms the safety and compatibility of the overall assembly.

UL 1059 Spacing Requirements - Recognized Terminal Blocks

		Pole to Pole Spacing(in)	
Class	Voltage(V)	Through Air	Over Surface
A	51-150	0.500	0.750
	151-300	0.750	1.250
	301-600	1.000	2.000
B	51-150	0.063	0.063
	151-300	0.094	0.094
	301-600	0.375	0.500
C	51-150	0.125	0.250
	151-300	0.250	0.375
	301-600	0.375	0.500
D	51-300	0.063	0.125
	301-600	0.188	0.375

Class A: Service, including dead-front switch boards, panelboards, and service equipment
Class B: Commercial Appliances, including business equipment, electronic data processing equipment
Class C: Industrial, General
Class D: Industrial, devices having limited ratings

Requirements

Products in this category are evaluated according to one or more of the following standards:

- **UL 1059** "Terminal Blocks."
  - **UL 486A-486B** "Wire Connectors,"
  - **UL 486E** “Equipment Wiring Terminals for Use with Aluminum and/or Copper Conductors."
- **UL 60947-7-1** "Low-Voltage Switchgear and Controlgear - Terminal Blocks for Copper Conductors"
- **UL 60947-7-2** "Low-Voltage Switchgear and Controlgear -Protective Conductor Terminal Blocks for Copper Conductors"
- **UL 60947-7-3** "Low-Voltage Switchgear and Controlgear - Safety Requirements for Fuse Terminal Blocks"
- **UL 60947-7-4** "Low-Voltage Switchgear and Controlgear - PCB Terminal Blocks for Copper Conductors"

The **ANSI/UL 60947-7-x** series is applied in conjunction with **UL 60947-1**, “Low-Voltage Switchgear and Controlgear – Part 1: General Rules.”

Wire Connections

Quick Connect Terminals

- **One-Piece Construction:** Quick-connect tabs are made from a single piece for durability and reliability
- **Size Options:** Available in both .250” and .188” tab sizes
- **Multiple Configurations:** Offered in single, double, and triple quick-connect versions

Screw Terminals

- **Screw Terminal Options:** Available with or without wire retaining ears
- **Flexible Combinations:** Quick-connect tabs and screw terminals can be combined to meet 80% of appliance design needs
- **Cost-Effective Solutions:** Designed for substantial savings without compromising performance
- **U.L. Component Recognized:** Over 1,000 terminal arrangements are pre-approved and ready for use

Bifurcated Soldering Terminals

- **Supports Soldered Connections:** Ideal for circuits using solid-state components like resistors and diodes
- **Dual-Purpose Terminals:** Combine solder lugs and quick-connect tabs in a single-piece design
- **Efficient Bifurcated Lugs:** Forked terminals hold 1–3 wires securely without threading or wrapping
- **Standard on All Products:** Available across all Elec-Tron boards and blocks
- **UL Compliant:** Meets or exceeds mechanical security requirements

ELECTRON™

Grounding & Mechanical Lugs

- **Supports Varying Voltages:** Suitable for a range of electrical applications
- **Three Standard Sizes:** Streamlined options to fit common designs
- **Multiple Mounting Styles:** Available in three widely used configurations
- **Custom Configurations:** Tailored solutions available upon request
- **Secure Connections:** Set screw included for added stability

EC-30

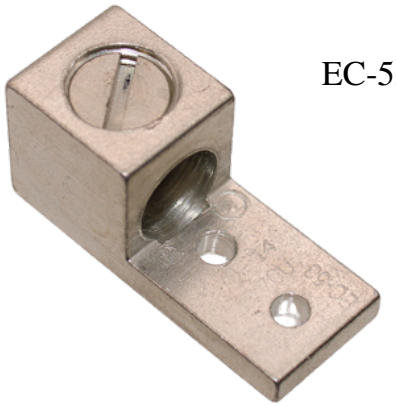
UL E109333

Category No.	Temperature Rating (°C)	Wire Range-Cu (AWG)	Wire Range-Al (AWG)	Tightening Torque (in.-lbs.)
EC – 3_	75	4 - 6 8 10 - 14	4 - 6 8 10 - 12	35 25 20
EC – 4_	90	2 - 3 4 - 6 8 10 - 14	2 - 3 4 - 6 8 10 - 12	50 45 40 35
EC – 5_	75	1/0 – 3 4 – 6 8 10 - 14	1/0 – 3 4 – 6 8 10 - 12	50 45 40 35

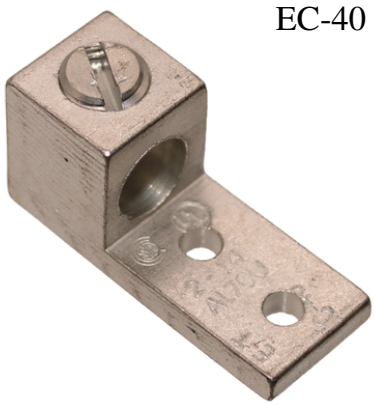
CSA 70063223

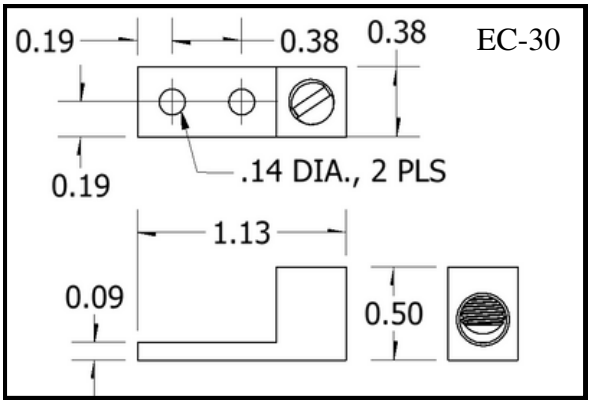
Category No.	Temperature Rating (°C)	Wire Range-Cu (AWG)	Wire Range-Al (AWG)
EC – 3 _	75	4-14	4-12
EC – 4 _	90	2-14	2-12
EC – 5 _	75	1/0-14	1/0-12

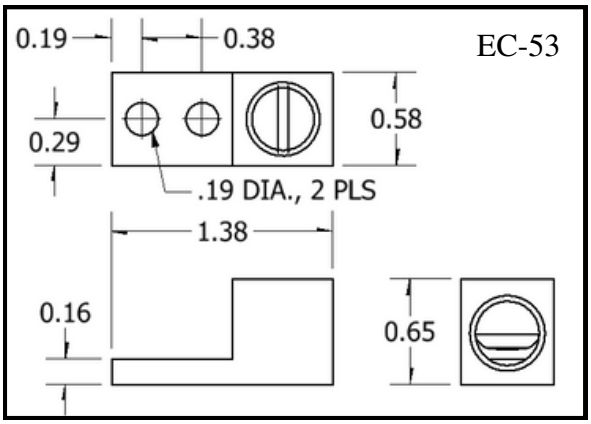
EC-53



EC-40







Grounding and Mechanical Lug

Ordering #: EC-40B

IN STOCK

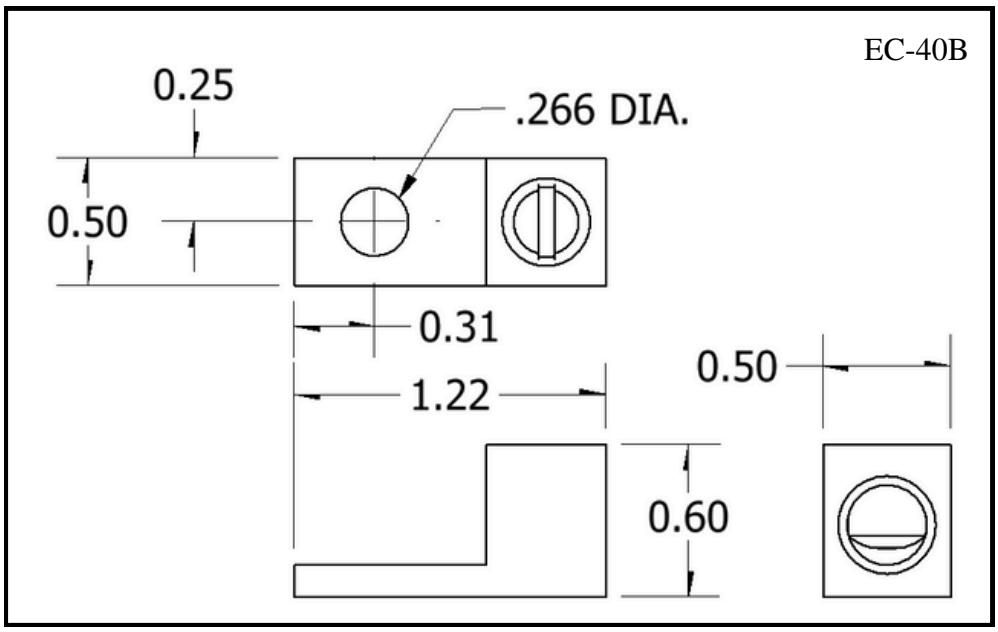
- **Reliable Ground Path:** Provides a secure, low-resistance connection to ground for fault current dissipation
- **Corrosion-Resistant Materials:** Made from durable copper or tin-plated alloys for long-term outdoor performance
- **Utility-Grade Performance:** Ideal for grounding transformers, switchgear, and pole-mounted or pad-mounted equipment
- **Versatile Mounting:** Can be installed on enclosures, conduit, and structural frames
- **UL E109333 Certified:** Meets UL grounding and bonding equipment standards for safety and performance
- **CSA 70063223 Compliant:** Approved for use in Canadian utility and electrical systems
- **Wide Conductor Compatibility:** Accepts a broad range of wire sizes and solid or stranded conductors
- **Secure Bonding:** Ensures proper bonding of metal components to reduce shock risk and equipment interference

EC-40B Specs

Temp Rating: 90°C

Wire Range (Cu): #2-14 AWG

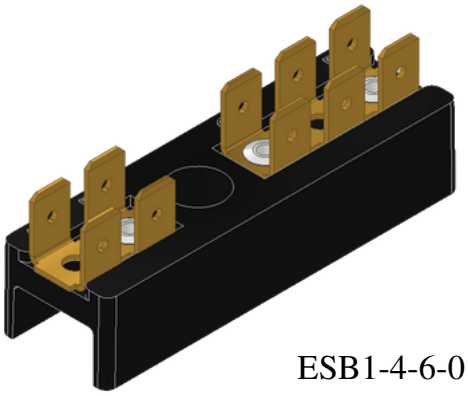
Wire Range (Al): #2-12 AWG



ESB1 Series

General Purpose Terminal Block

- **Five Mold Styles:** Durable molded phenolic construction
- **Configurable:** Hundreds of terminal combinations available
- **Standard Tabs:** .250 × .032"; most also in .187 × .020"
- **Safe Spacing:** Exceeds 3/8" for electrical clearance
- **Custom Options:** Terminal Identification and printing available
- UL E61937
  - Temperature Rating: 150°C
  - Voltage: 300V (600V with Insulator Board)
  - Wire Range: 14 Sol./Str.
  - Tightening Torque: 5 in.-lbs.
- CSA 1742185
  - Voltage: 250V
  - Current: 20A



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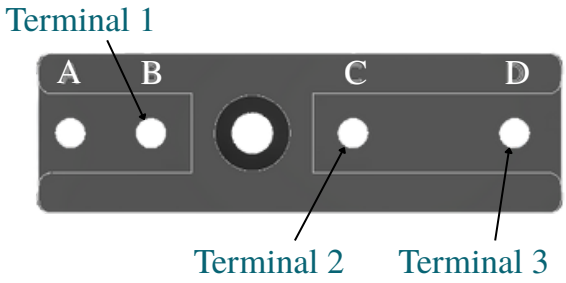


Part Ordering Information ESB1 Block

ESB1 _ - _ - _ - _ _ _

Mounting
C = No Anti-Rotation
Blank = Anti-Rotation

Terminal 1(B):
0 = no terminal
2-6 = 2-6 tabs
101 - 106 = 1-6 tabs + screw
101R - 102R = 1-2 tabs + screw & rotated

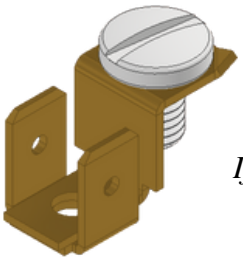
Terminal 2(C):
0 = no terminal
2-8 = 2-8 tabs
101 - 106 = 1-6 tabs + screw
101R - 102R = 1-2 tabs + screw & rotated

Terminal 3(D):
0 = no terminal
2-6 = 2-6 tabs
101 - 106 = 1-6 tabs + screw
101R - 102R = 1-2 tabs + screw & rotated
Terminal 3 may ONLY be used if Terminal 2 is 0,2,3,101R or 102R*

**3 tab not available for 600V application*

Plating
N = Nickel Plated Brass
T = Tin Plated Brass
Blank = Unplated Brass

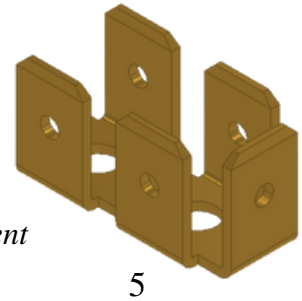
Insulator
I = Insulator (600V)
Blank = No Insulator (300V)



102/102R

Tabs with Screw
1,2,3,4,5 or 6 tabs
If the screw is rotated, 1 or 2 tabs only

Tab Sizes:
2,3,4,5,6,7,8
Terminal Dependent



5

ELECTRON™

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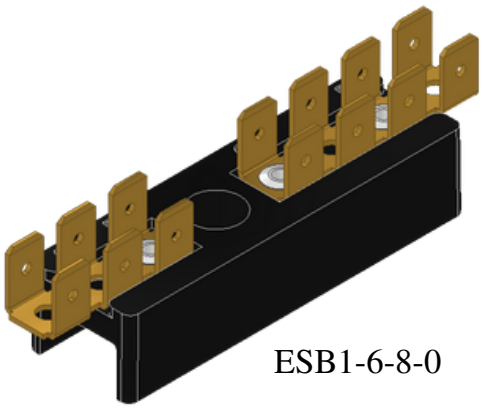

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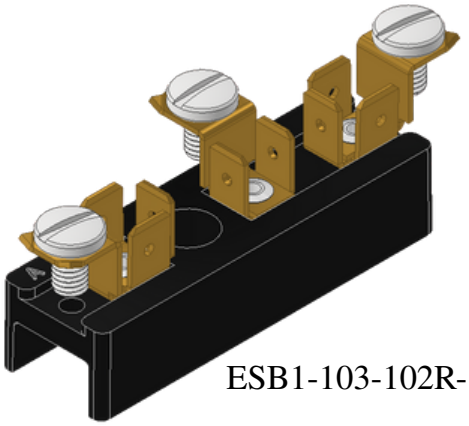
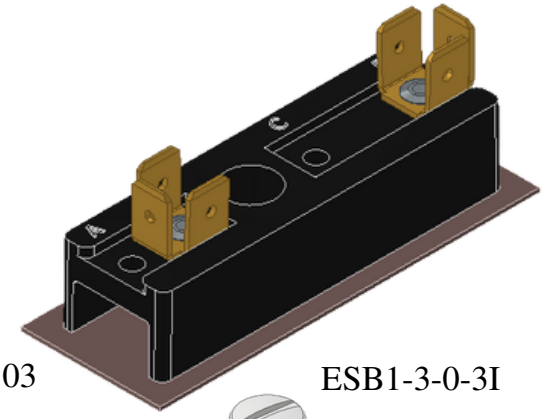
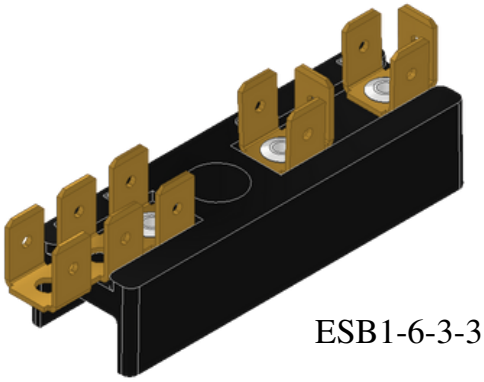


ESB1-103-102R-103



ESB1-3-0-3I



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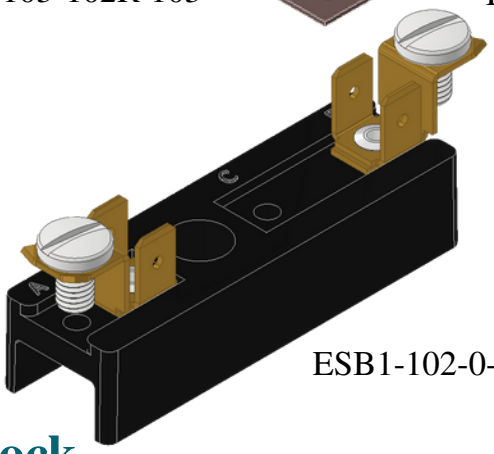
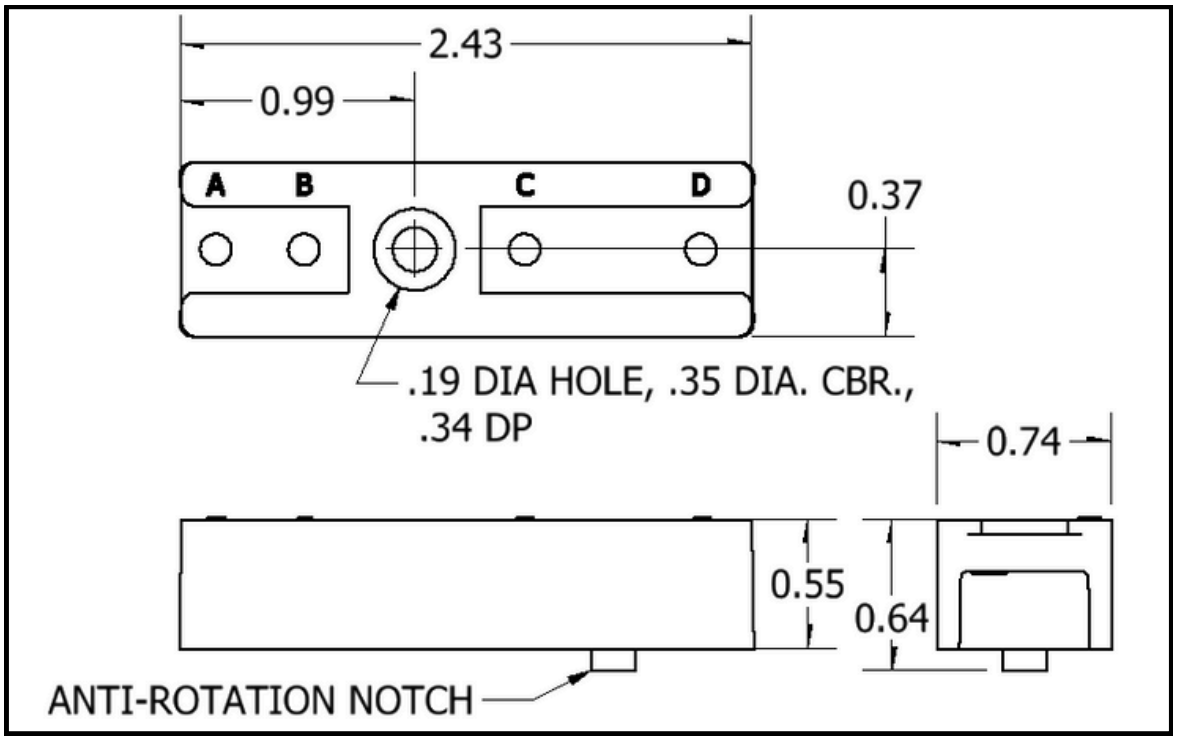


ESB1-102-0-102

ESB1 Block



All dimensions are in inches

Part Ordering Information ESB1A Block

ESB1A - ___ - ___ ___ ___

Terminal 1(C):
0 = no terminal
2-8 = 2-8 tabs
101 - 106 = 1-6 tabs + screw
101R - 102R = 1-2 tabs + screw & rotated

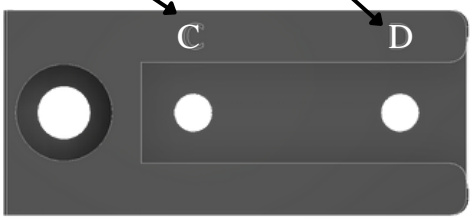
Terminal 2(D):
0 = no terminal
2-6 = 2-6 tabs
101 - 106 = 1-6 tabs + screw
101R - 102R = 1-2 tabs + screw & rotated
Terminal 2 may ONLY be used if Terminal 1 is 0,2,3,101R or 102R*

**3 tab not available for 600V application*

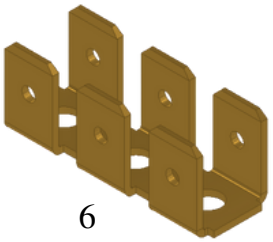
Insulator
I = Insulator (600V)
Blank = no insulator (300V)

Plating
T = Tin Plated Brass
N = Nickel Plated Brass
Blank = Unplated Brass

Terminal 1 Terminal 2



Tab Sizes:
2,3,4,5,6,7,8
Terminal Dependent

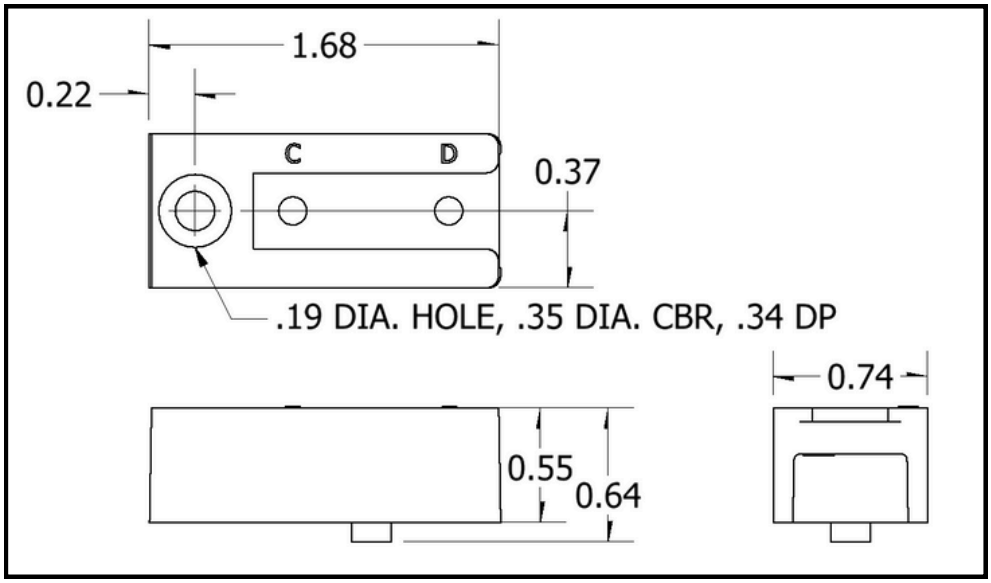


6

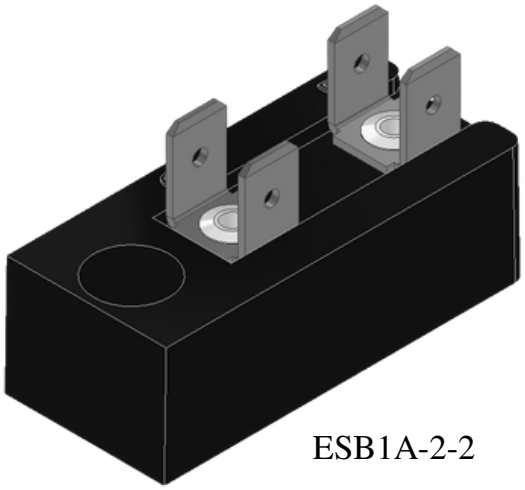
104

Tabs with Screw
1,2,3,4,5 or 6 tabs
If the screw is rotated, 1 or 2 tabs only

ESB1A Block



All dimensions are in inches



ESB1A-2-2

Want to customize this more? Contact us now!

Part Ordering Information ESB1B Block

ESB1B - __ - __ - __ - __ __ __

Terminal 1 & 4(B & E):
0 = no terminal
2-6 = 2-6 tabs
101 - 106 = 1-6 tabs + screw
101R - 102R = 1-2 tabs + screw & rotated
Terminal 2 may ONLY be used if Terminal 1 is 0,2,3,101R or 102R*

**3 tab not available for 600V application*

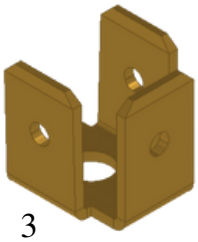
Terminal 2 & 3(C & D):
0 = no terminal
2-8 = 2-8 tabs
101 - 106 = 1-6 tabs + screw
101R - 102R = 1-2 tabs + screw & rotated

All terminal connects will be assembled outward

Insulator
I = Insulator (600V)
Blank = no insulator (300V)

Plating
T = Tin Plated Brass
N = Nickel Plated Brass
Blank = Unplated Brass

Tab Sizes:
2,3,4,5,6,7,8
Terminal Dependent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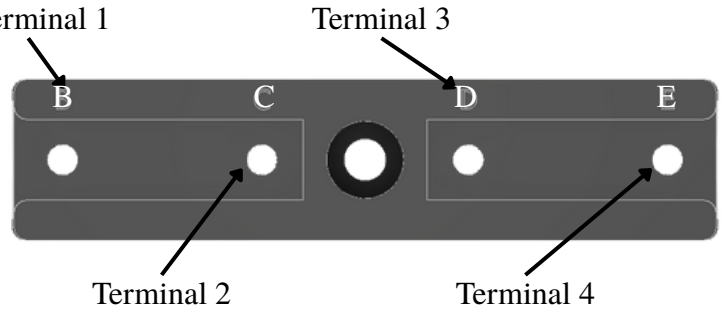
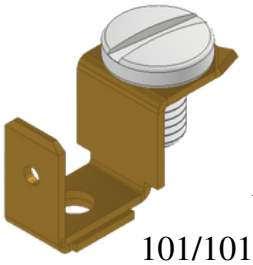
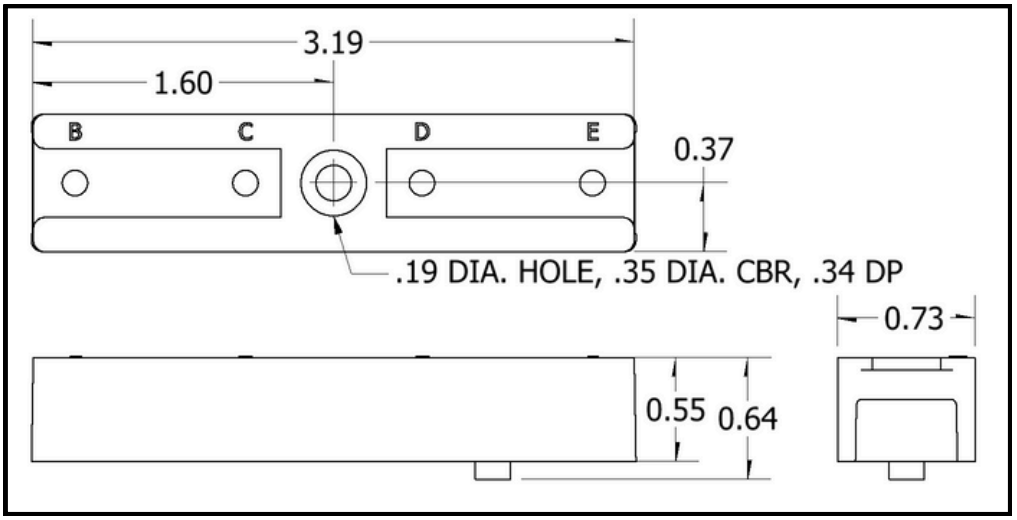


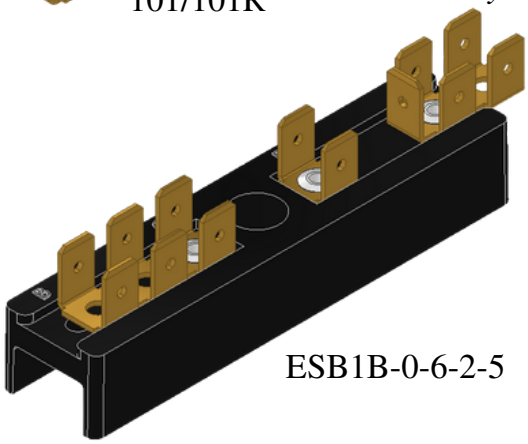
Tabs with Screw
1,2,3,4,5 or 6 tabs
If the screw is rotated, 1 or 2 tabs only


101/101R

ESB1B Block



All dimensions are in inches


ESB1B-0-6-2-5

Want to customize this more? Contact us now!

Part Ordering Information ESB1D Block

ESB1D - __ - __ - __ - __ - __ __

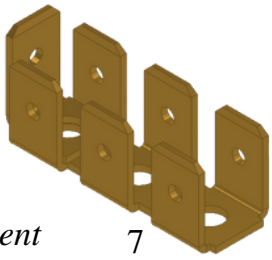
Terminal 1(A):
0 = no terminal
2-4 = 2-4 tabs
101 - 104 = 1-4 tabs + screw
101R - 102R = 1-2 tabs + screw & rotated

Terminal 2 & 3(B & C):
0 = no terminal
2-4 = 2-4 tabs
101 - 102 = 1-2 tabs + screw
101R - 102R = 1-2 tabs + screw & rotated
Only Terminal 2 OR 3 may be occupied

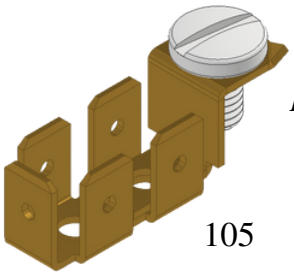
Terminal 4(D):
0 = no terminal
2-8 = 2-8 tabs
101- 106 = 1-6 tabs + screw
101R - 102R = 1-2 tabs + screw & rotated

Terminal 5(E):
0 = no terminal
2-6 = 2-6 tabs
101 - 106 = 1-6 tabs + screw
101R - 102R = 1-2 tabs + screw & rotated
Terminal 5 may ONLY be used if Terminal 4 is 0,2,3,101R or 102R

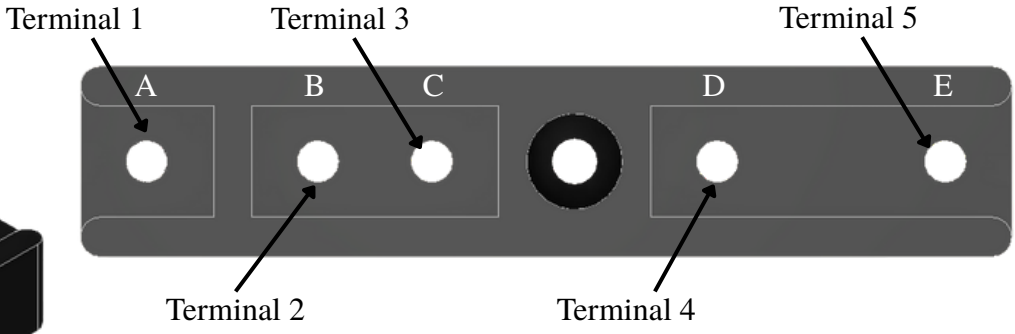
Plating
T = Tin Plated Brass
N = Nickel Plated Brass
Blank = Unplated Brass

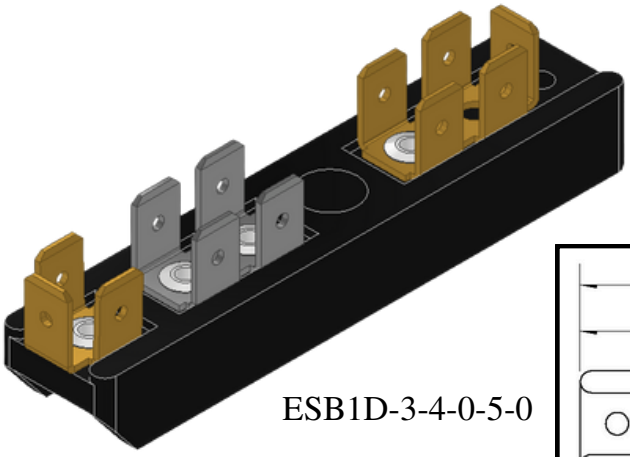

7

Tab Sizes:
2,3,4,5,6,7,8
Terminal Dependent


105

Tabs with Screw
1,2,3,4,5 or 6 tabs
If screw is rotated, 1 or 2 tabs only

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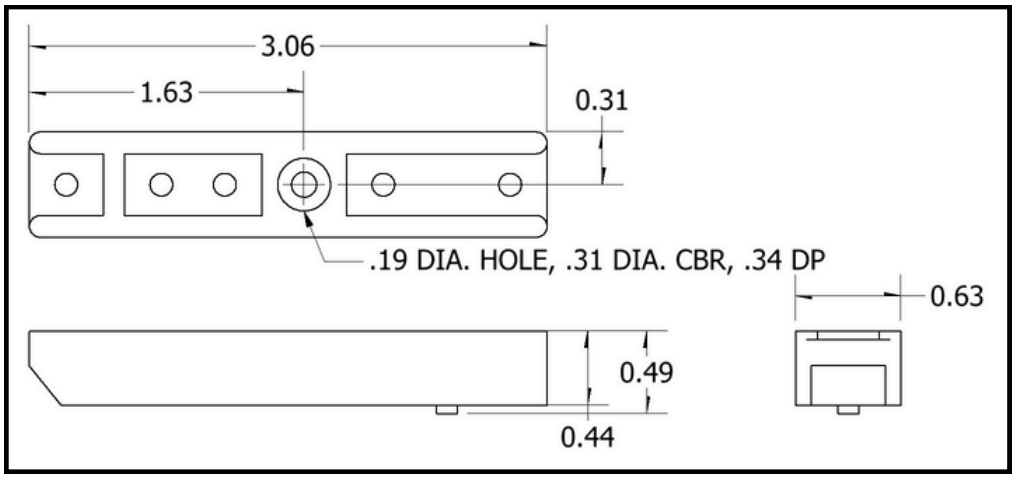
ESB1D Block



All dimensions are in inches

Want to customize this more? Contact us now!

General Purpose Terminal Block

Ordering #: ESB1C-6-6-0

IN STOCK

Compact and Cost-Effective: Ideal for dependable internal wiring connections

Highly Configurable: Choose from several hundred combinations of quick-connect and screw terminals

Easy Installation: Single fastener mounting with anti-rotation pin for secure placement

Universal Fit: Standard spacing and mounting accommodate a wide range of applications

Quick Availability: Stocked components allow near off-the-shelf delivery

No Tooling Charges: Save significantly over custom terminal boards

UL Component Recognized: All terminal layouts meet U.L. standards

Flexible Tab Sizes: Standard .250 x .032 tabs; most styles also offered in .187 x .020

Optional Features: Terminal identification and color code printing available

Durable Construction: UL-listed phenolic base rated for 150°C high-temp environments

Enhanced Safety: Electrical spacing exceeds 3/8”; elevated base offers improved moisture protection

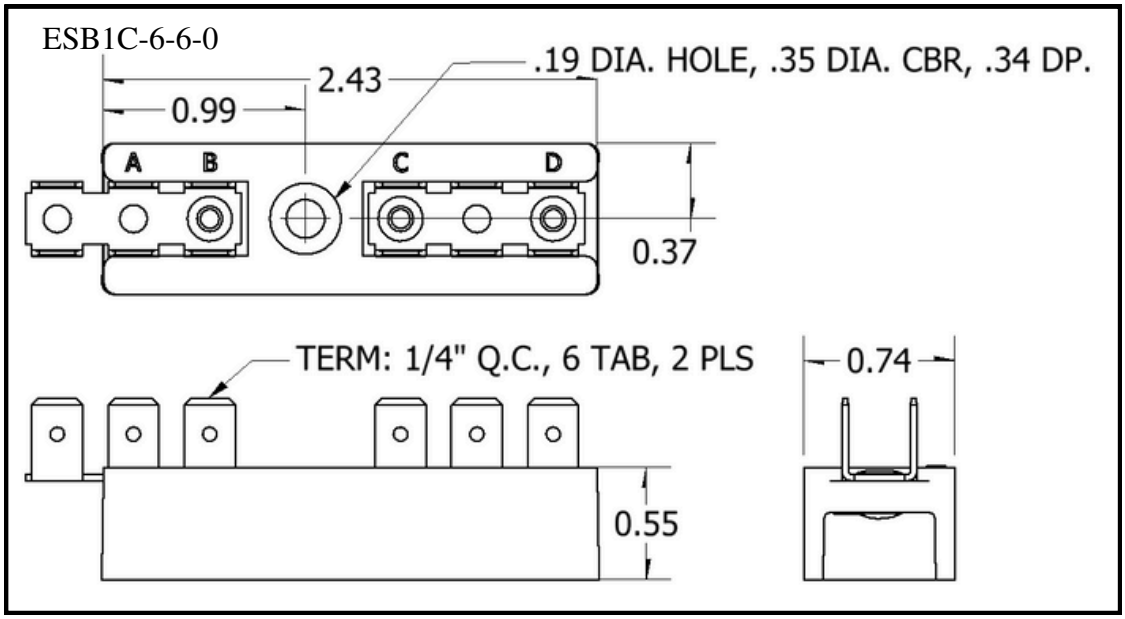
ESB1C-6-6-0 Specs

Voltage: 300V

Current: 20A

Temperature Rating: 150°C

Tightening Torque: 5in.-lbs.



All dimensions are in inches

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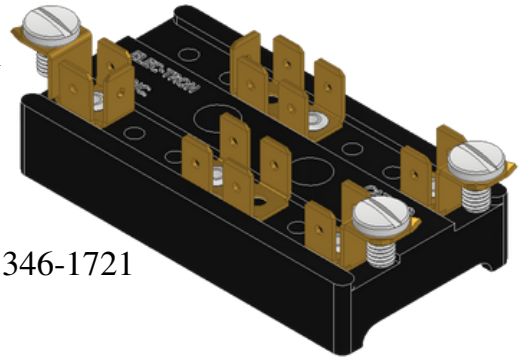
ESB2 Series

General Purpose Terminal Block

- **Extensive Configurations:** Over 1,000 terminal combinations available
- **Safe Electrical Clearance:** Spacing exceeds 3/8" for enhanced protection
- **Standard Quick-Connect Tabs:** .250" × .032"; most styles also offered in .187" × .020"
- **Durable Terminals:** Brass-plated for corrosion resistance and conductivity
- **Rugged Construction:** Molded phenolic block ensures strength and heat resistance
- **Identification Options:** Stamped terminal markings available for easy reference
- UL E61937
  - Temperature Rating:150°C
  - Voltage: 300V (600V with Insulator Board)
  - Wire Range: #14 AWG Sol./Str.
  - Tightening Torque: 5 in.-lbs
- CSA 1742185
  - Voltage: 250V
  - Current: 20A



ESB2-1346-1721

Design Your Own Block!

Notation

X = 2 tabs

/ = 1 tab

→ or ↑ = screw in desired direction

Rules

- MUST include at least a 1-hole gap in between even-numbered tabs
- Odd-numbered tabs do not require a gap, as long as single tabs are not positioned face-to-face
- One space of overhang allowed on ends of the block
- Screws cannot face toward opposing terminals
- A screw may only have 1 or 2 tabs attached if facing north or south

Tab Options

2 = X

3 = / X or X /

4 = X X

5 = / X X or X X /

6 = X X X

8 = X X X X

10 = X X X X X

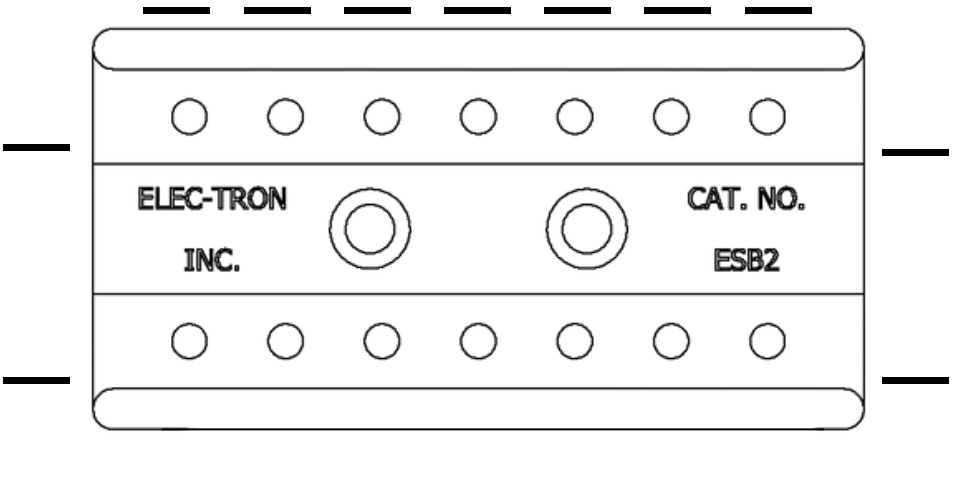
12 = X X X X X X

14 = X X X X X X X

16 = X X X X X X X X

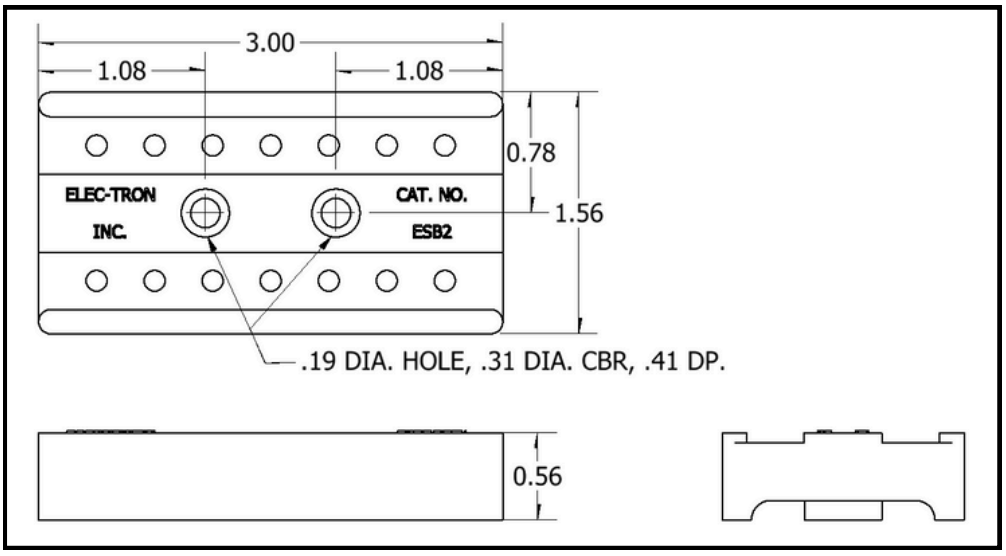
18 = X X X X X X X X X

Plating Options:	Voltage Rating:
Unplated Brass	300V
Tin Plated Brass	600V
Nickel Plated Brass	

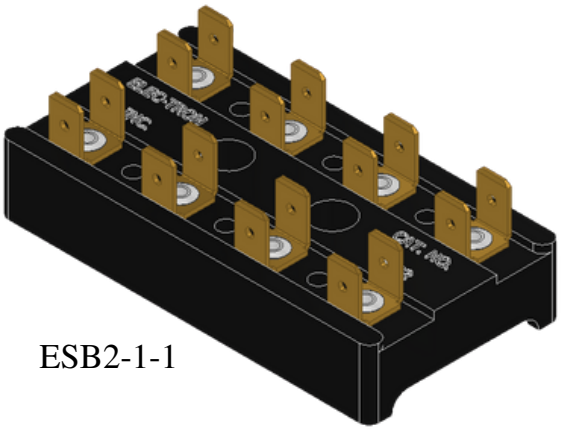


Submit this Here!

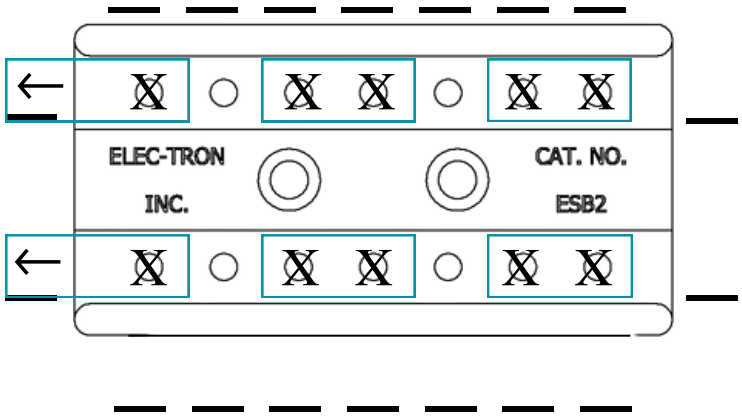
ESB2 Block

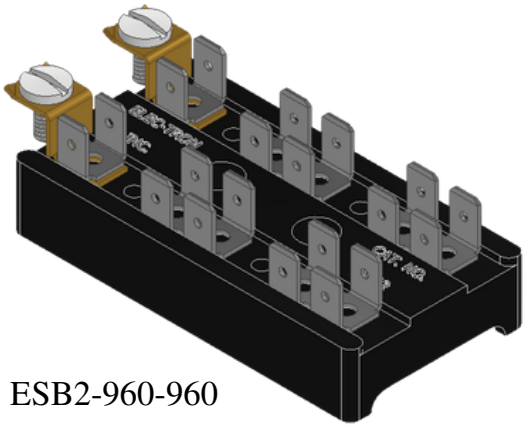


All dimensions are in inches

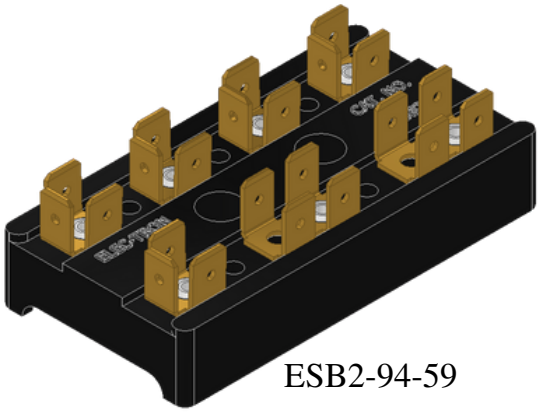


ESB2-1-1

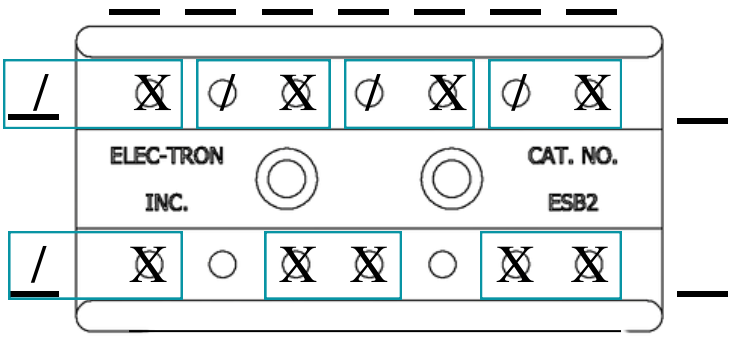




ESB2-960-960



ESB2-94-59



General Purpose Terminal Block

IN STOCK

Ordering #: ESB2-217-274

Expanded Capacity: Designed for applications needing more connections than the ESB1 Series allows

Space-Efficient Design: Provides more connections in less space than open terminal blocks

Highly Configurable: Offers hundreds of combinations of quick-connect and screw terminals

Wide Compatibility: Standard spacing and mounting meet a broad range of wiring requirements

Cost-Efficient Solution: Meets 80% of general-purpose junction needs at a lower cost

Quick Availability: Stocked components allow near off-the-shelf delivery

No Tooling Charges: More economical than custom-fabricated terminal boards

Flexible Tab Sizes: Standard .250 x .032 tabs; most configurations also available in .187 x .020

Durable Construction: UL-listed molded phenolic base rated for 150°C

Enhanced Safety: Electrical spacing exceeds 3/8"; elevated base improves moisture protection

Optional Features: Available with terminal identification, color-coded printing, and custom marking for improved traceability

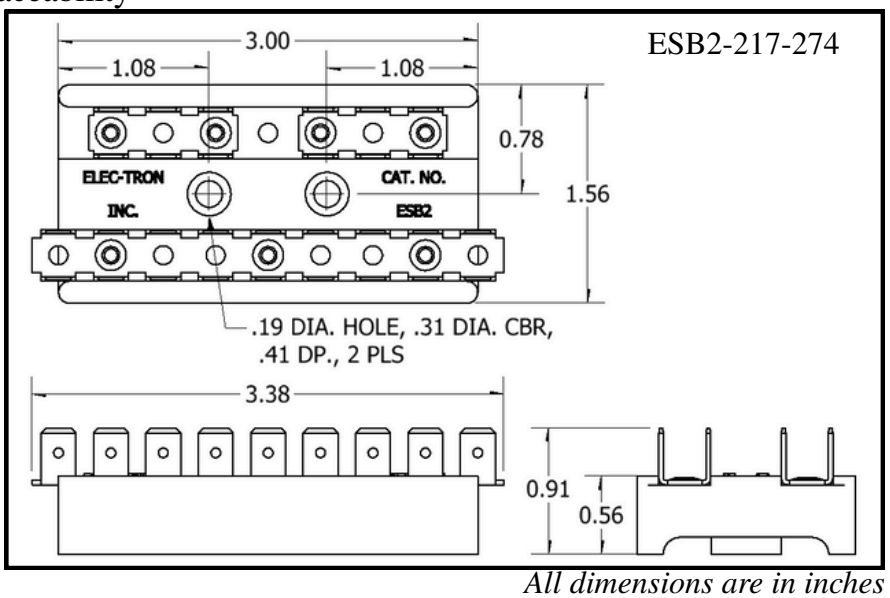
ESB2-217-274 Specs

Voltage: 300V

Current: 20A

Temperature Rating: 150°C

Tightening Torque: 5in.-lbs.



All dimensions are in inches

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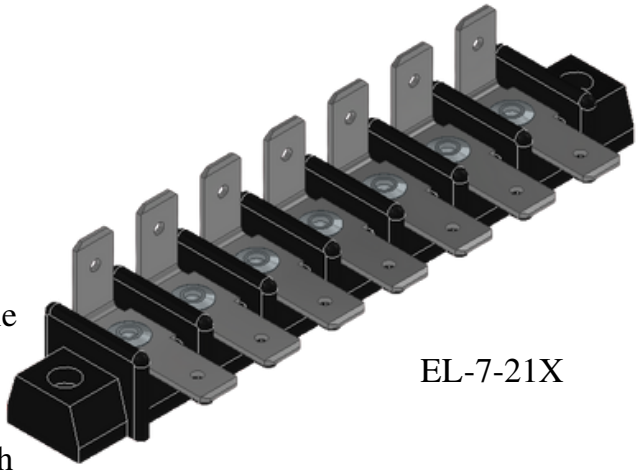
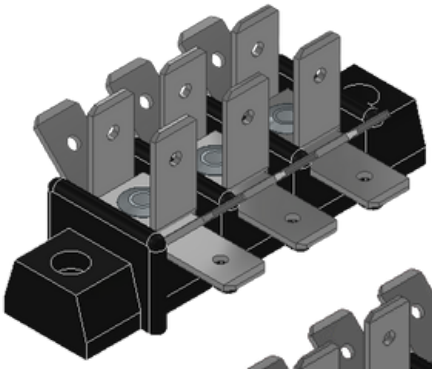
Internal Wiring Junction Block

- **35 Terminal Arrangements:** Configurable from 1 to 12 poles
- **Flexible Connectivity:** 1–6 quick-connect tabs per pole
- **Standard Terminals:** .250" × .032" tin-plated male tabs
- **Clear Identification:** Stamped terminal markings available (see C-19)
- **Barrier Design:** 7/16" spacing for improved isolation
- **Rugged Construction:** Molded phenolic block for strength and heat resistance

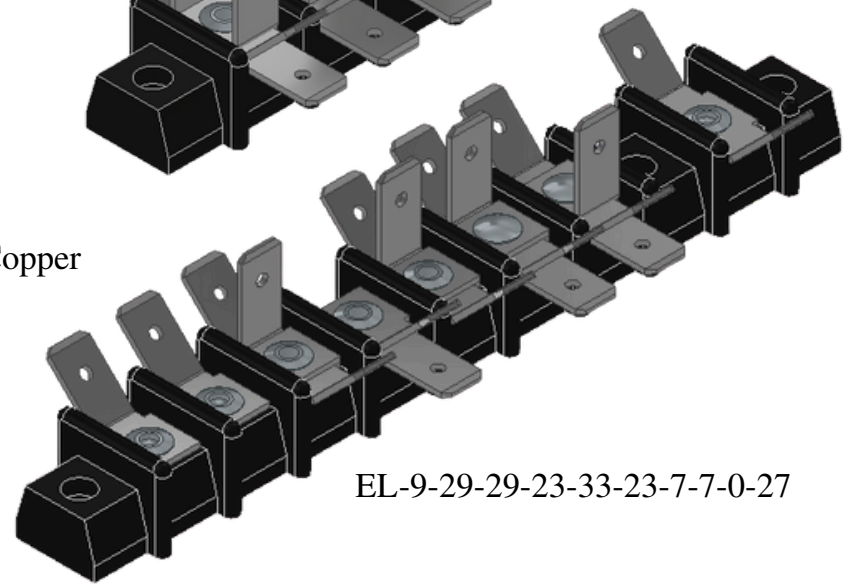


EL-7-21X



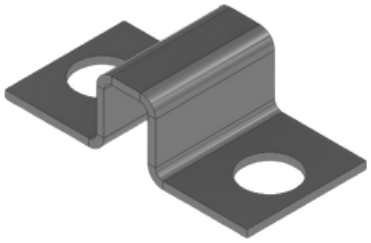
EL-3-2X

- UL E61937
  - Temperature Rating: 150°C
  - Wire Range: Factory Wiring
  - Commercial Appliance: 250V & 20A
  - General Industrial: 300V & 10A
- CSA1742185
  - Temperature Rating: 75°C
  - Wire Range/Type: #12-18 AWG Sol. /Str. Copper
  - Commercial Appliance: 250V & 20A
  - General Industrial 300V & 10A



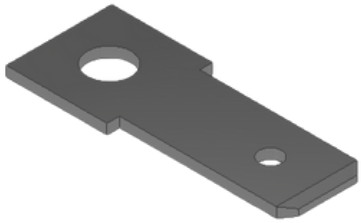
EL-9-29-29-23-33-23-7-7-0-27

Jumper



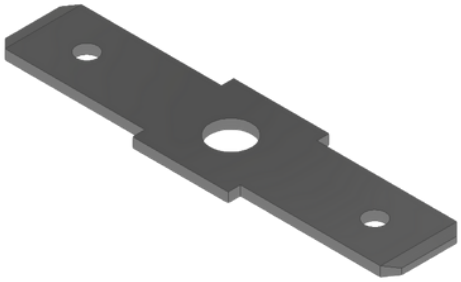
Single Tab

0°, 45°, 90°



Double Tab

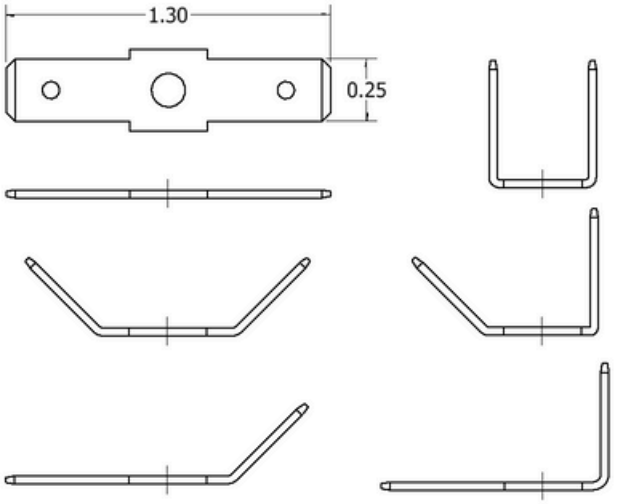
0° & 0°, 0° & 45°, 0° & 90°,
45° & 45°. 45° & 90°, 90° & 90°



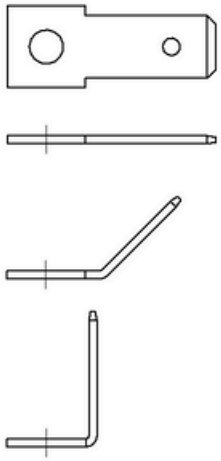
ELECTRON™

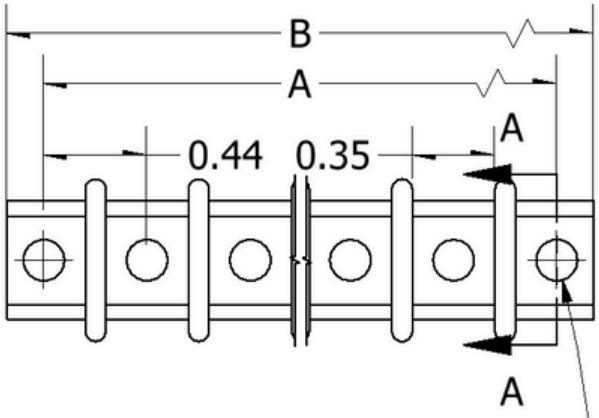
Terminal Styles

Dual Tab

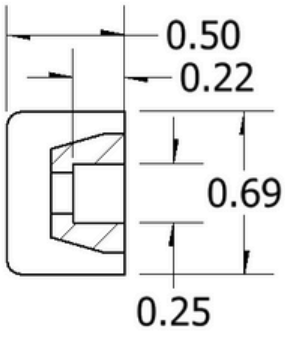


Single Tab





.175 DIA. HOLE, 2 PLS

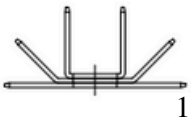
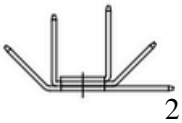
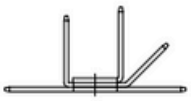
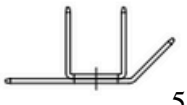
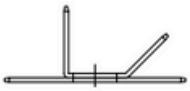
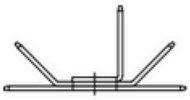
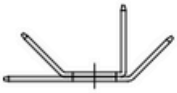
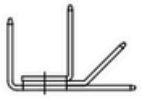
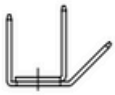
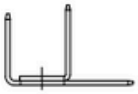
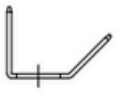
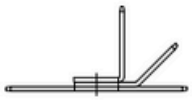
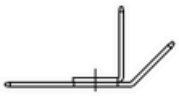
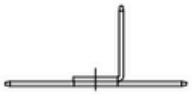
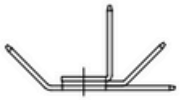
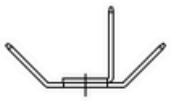
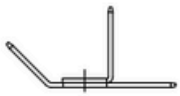


SECTION A-A
SCALE 1 : 1

NO. OF POLES	1	2	3	4	5	6	7	8	9	10	11	12
A DIMENSIONS	.88	1.31	1.75	2.19	2.63	3.06	3.50	3.94	4.38	4.81	5.25	5.69
B DIMENSIONS	1.19	1.63	2.06	2.50	2.94	3.38	3.81	4.25	4.69	5.13	5.56	6.00

All dimensions are in inches

Terminal Combinations

 1	 2	 3	 4	 5
 6	 7	 8	 9	 10
 11	 12	 13	 14	 15
 16	 17	 18	 19	 20
 21	 22	 23	 24	 25
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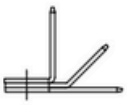
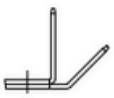
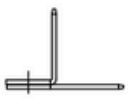
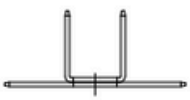
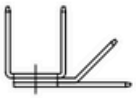
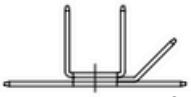
 31	 32	 33	 34	 35
 36	 37	 38		

Part Ordering Information EL Block

If ALL pole combinations are identical, write X after the combination is listed

Pole:	1	2	3	4	5	6	7	8	9	10	11	12
EL -	_ -	A B C -	A B C -	. . . -	_ _ _ -	_ _ _ -	_ _ _ -	_ _ _ -	_ _ _ -	_ _ _ -	_ _ _ -	_ _ _ -	_ _ _

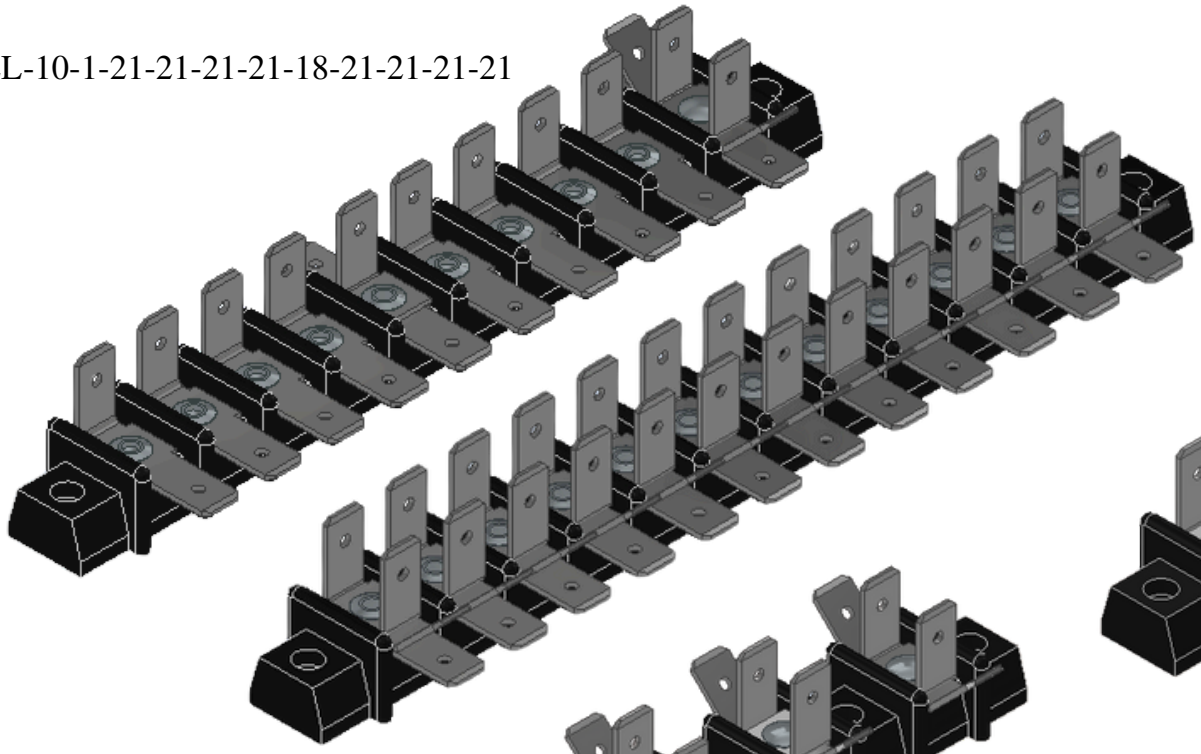
# of Poles:
1 = 1 Pole
2 = 2 Poles
....
12 = 12 Poles

Position A & C Jumper:
Blank = no jumper
J = Jumper

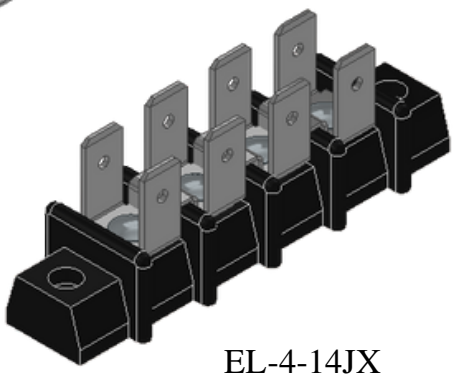
Position B Terminal Combinations:
0 = empty
1-38 = see table on C-12

Must include J for each pole where a jumper is present!
A jumper covers 2 poles (i.e. Jumper on Pole 1C connects to Pole 2A)
Note: Only need the terminal combinations filled for the number of poles on your block

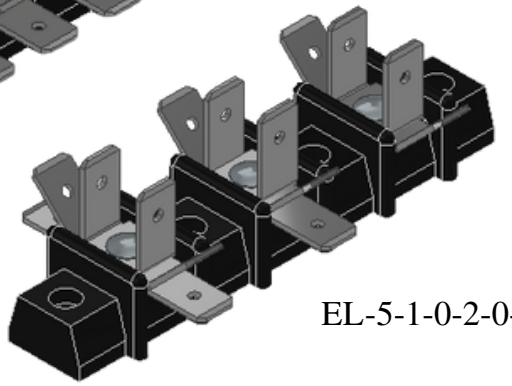
EL-10-1-21-21-21-21-18-21-21-21-21



EL-12-36X



EL-4-14JX



EL-5-1-0-2-0-3

EL Series

Internal Wiring Junction Block

Ordering #: EL-3-3X

IN STOCK

OEM-Focused Design: Engineered for compact, cost-effective single-row barrier-style applications

High-Density Connections: Supports 1 to 12 poles for space-saving, in-line wiring solutions

Extensive Terminal Options: Over 35 terminal configurations per pole, with 1 to 6 quick-connect tabs

Durable Terminals: .032" x .250" tin-plated brass male tabs riveted to the base

Flexible Tab Styles: Dual or single tabs available in straight, 45°, or 90° formed options

Customizable Layouts: Combine up to three terminals per pole for maximum flexibility

Commoning Made Easy: Integral jumpers allow two or more poles to be connected

Rugged Base Material: Molded high-temp phenolic, UL 94V-0 rated for 150°C environments

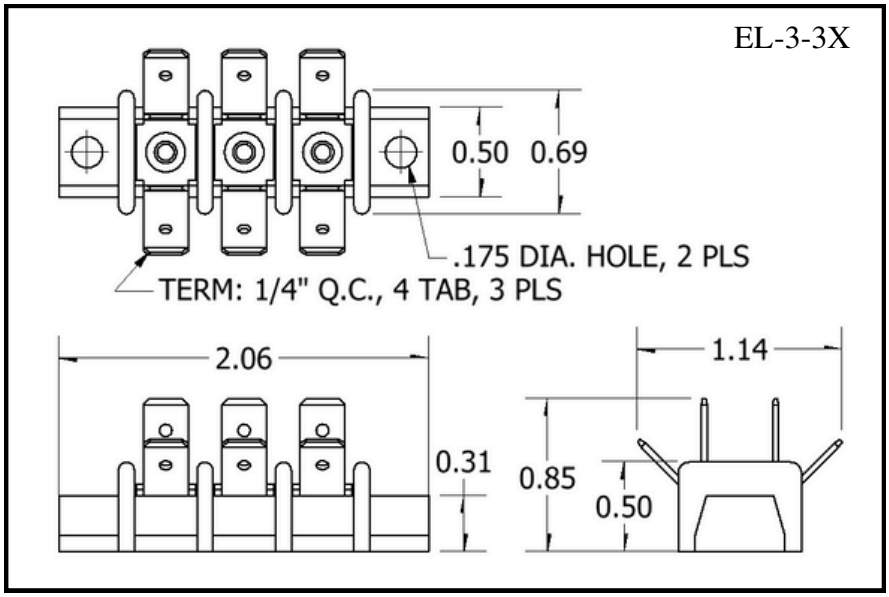
Adjustable Mounting: Two .175" holes per unit; hole locations adjustable in 7/16" increments

Optional Markings: White ink-stamped terminal IDs available to customer spec

Interchangeable Design: Compatible with other 7/16" barrier blocks for lower cost and faster delivery

EL-3-3X Specs

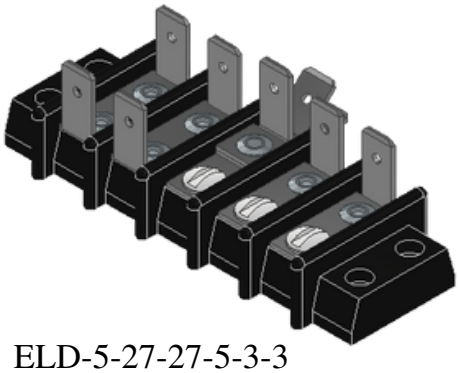
Commercial Appliance: 250V & 20A
General Industrial: 300V & 10A
Temperature Rating: 150°C
Wire Range: #12-18 Sol./Str. AWG
Wire Type: Copper



All dimensions are in inches

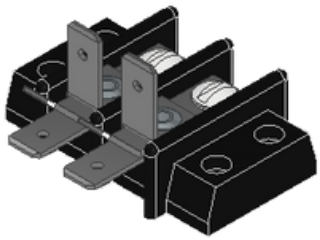
(316) 542-2993 https://electron.northparkgroup.com

Internal Wiring Junction Block



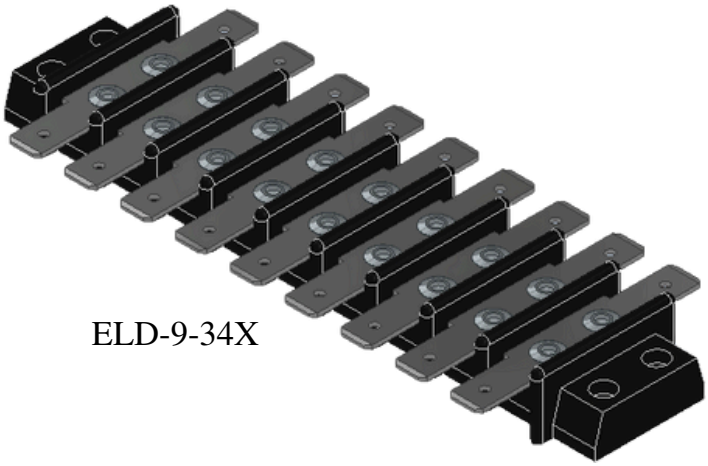
ELD-5-27-27-5-3-3

- **45 Terminal Arrangements:** Available in 1- to 12-pole configurations
- **High-Density Design:** Supports 1–6 quick-connect tabs per pole
- **Standard Terminals:** .250" × .032" tin-plated male tabs (nickel-plated options also available)
- **Clear Identification:** Stamped terminal markings available (see C-19 for reference)
- **Barrier Spacing:** 7/16" spacing for improved electrical isolation
- **Durable Base Material:** Molded phenolic base for high heat resistance and mechanical strength



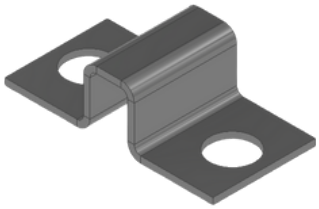
ELD-2-5X

- UL E61937
  - Temperature Rating:150°C
  - Commercial Appliance: 250V & 20A
  - General Industrial: 300V & 10A
  - Wire Range: #14-18 AWG Sol./Str. (Copper Only)
- CSA 1742185
  - Temperature Rating: 75°C
  - Commercial Appliance: 250V & 20A
  - Wire Range: #12-18 AWG Sol./Str. (Copper Only)



ELD-9-34X

Jumper

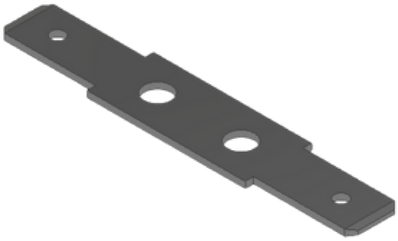


Single Tab

0°, 45°, 90°

Double Tab

0° & 0°, 0° & 45°, 0° & 90°,
45° & 45°. 45° & 90°, 90° & 90°

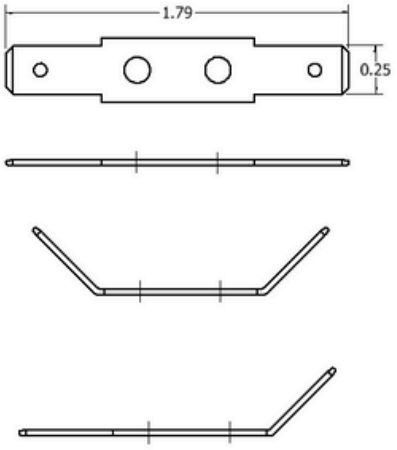


Screw Tab

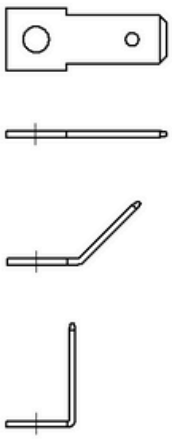
0°, 45°, 90°

Terminal Styles

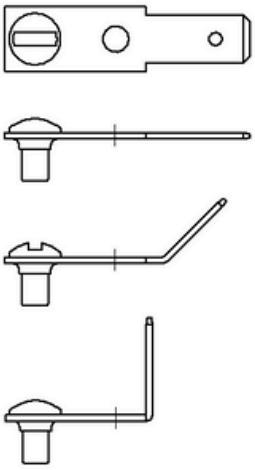
Dual Tab

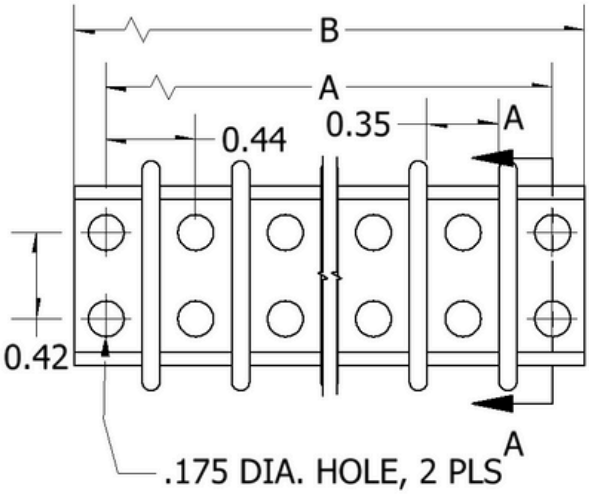


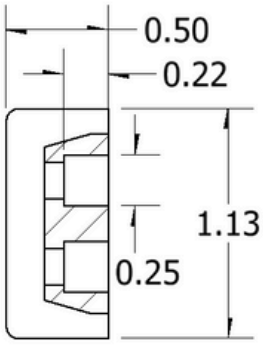
Single Tab



Screw Tab





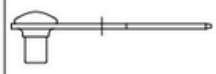
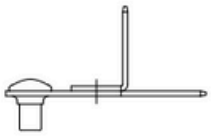
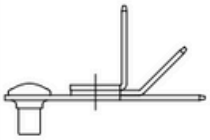
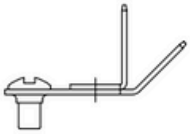
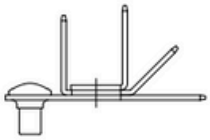


SECTION A-A
SCALE 1: 1

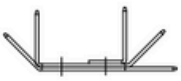
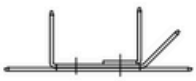
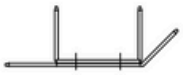
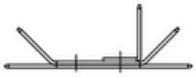
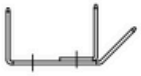
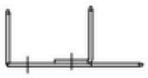
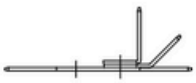
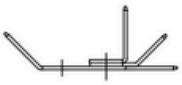
NO. OF POLES	1	2	3	4	5	6	7	8	9	10	11	12
A DIMENSIONS	.88	1.31	1.75	2.19	2.63	3.06	3.50	3.94	4.38	4.81	5.25	5.69
B DIMENSIONS	1.19	1.63	2.06	2.50	2.94	3.38	3.81	4.25	4.69	5.13	5.56	6.00

All dimensions are in inches

Screw Terminal Combinations

 1	 2	 3	 4	 5
 6	 7	 8	 9	 10

Quick Connect Terminal Combinations

 11	 12	 13	 14	 15
 16	 17	 18	 19	 20
 21	 22	 23	 24	 25
 26	 27	 28	 29	 30
 31	 32	 33	 34	 35
 36	 37	 38	 39	 40
41	42	43	44	45

Part Ordering Information ELD Block

If ALL pole combinations are identical, write X after the combination is listed

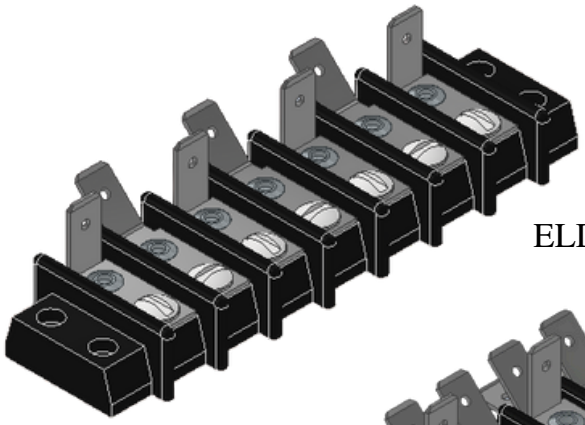
Pole:	1	2	3	4	5	6	7	8	9	10	11	12
ELD -	_	- A B C	- A B C	- . . .	- _ _ _	- _ _ _	- _ _ _	- _ _ _	- _ _ _	- _ _ _	- _ _ _	- _ _ _	- _ _ _

# of Poles:
1 = 1 Pole
2 = 2 Poles
....
12 = 12 Poles

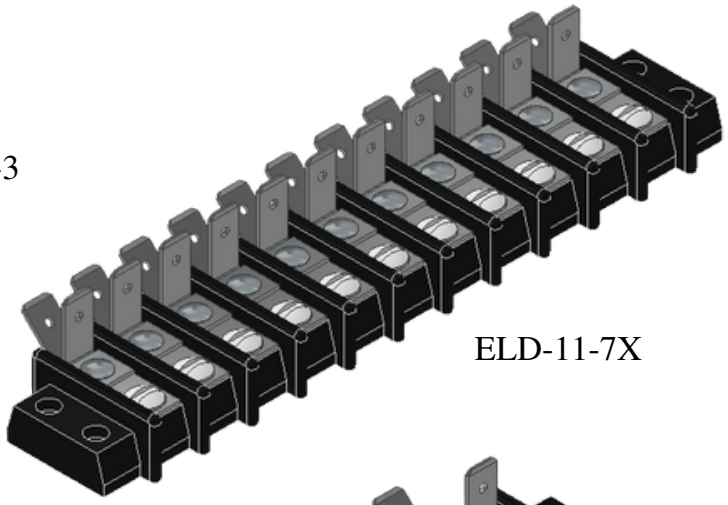
Position A & C Jumper:
Blank = no jumper
J = Jumper

Position B Terminal Combinations:
0 = empty
1-10 = screw terminal
11-45 = quick connect terminal

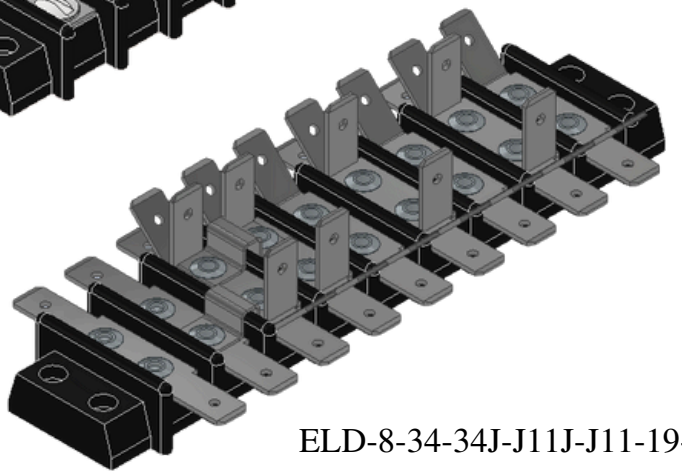
Must include J for each pole where a jumper is present!
A jumper covers 2 poles (i.e. Jumper on Pole 1C connects to Pole 2A)
Note: Only need the terminal combinations filled for the number of poles on your block



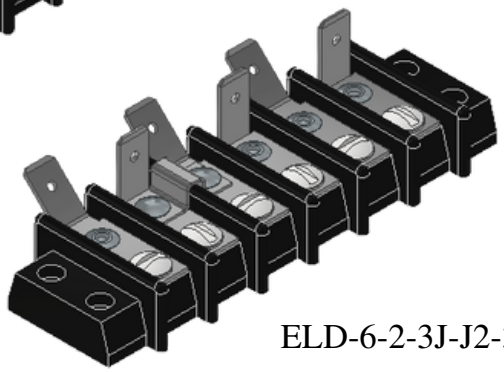
ELD-7-3-2-3-2-3-2-3



ELD-11-7X



ELD-8-34-34J-J11J-J11-19-11-19-11



ELD-6-2-3J-J2-3-2-3

ELD Series

Want to customize this more? Contact us now!

Terminal Identification

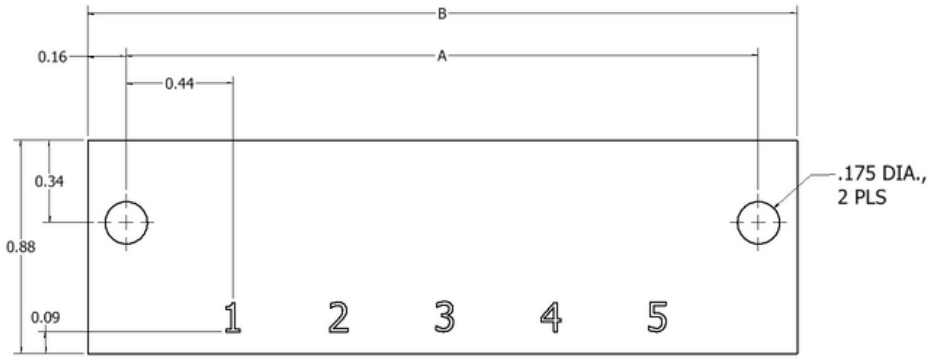
Marker Strips:

- Used when direct marking on the plastic block is impractical
- Made of 1/32” thick black phenolic laminate
- Mounts under the terminal block and extends beyond its front edge
- Provides a separate surface for numbering and character marking
- Marked with white etching-type ink
- Custom printed to your specifications

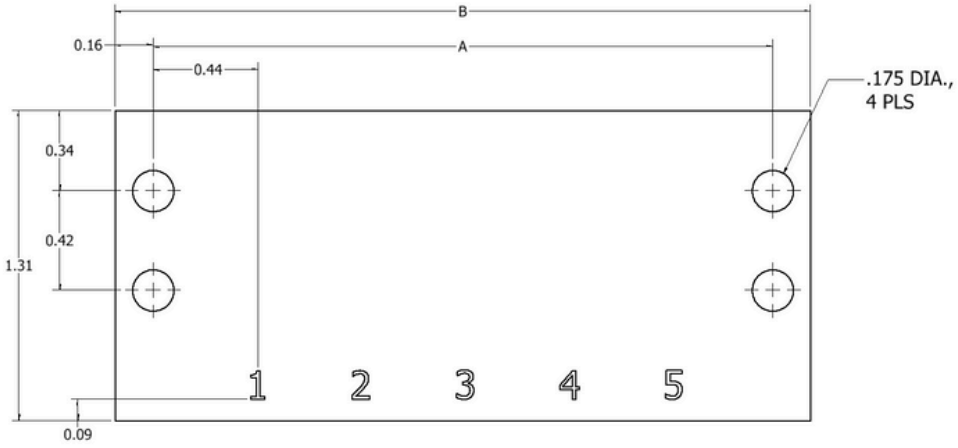
Block Printing:

- Most economical marking method
- Characters stamped directly onto the molded block face
- Utilizes special rubber printing plates and white etching-type ink
- Custom marking based on supplied character layout diagram

EL Marker Strip



ELD Marker Strip



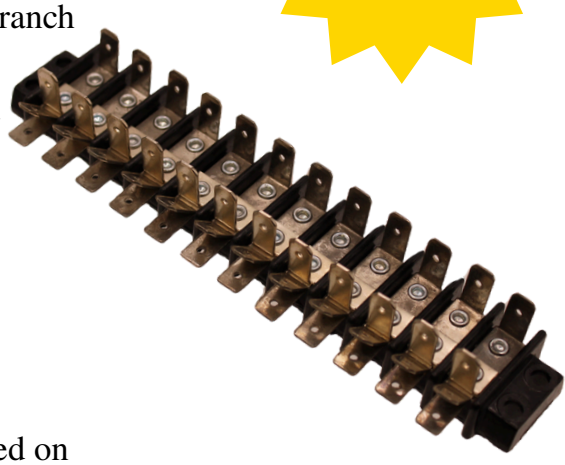
NO. OF POLES	1	2	3	4	5	6	7	8	9	10	11	12
A DIMENSIONS	.88	1.31	1.75	2.19	2.63	3.06	3.50	3.94	4.38	4.81	5.25	5.69
B DIMENSIONS	1.19	1.63	2.06	2.50	2.94	3.38	3.81	4.25	4.69	5.13	5.56	6.00

All dimensions are in inches

Internal Wiring Junction Block

Ordering #: ELD-12-22X

IN STOCK



Compact Double-Row Design: Ideal for combining screw terminals with branch circuit quick-connects

Field Wiring Ready: Designed for easy connection between field wiring and factory quick-connect terminals

Flexible Use: Can serve as an internal junction block for factory-wired branch circuits

Highly Configurable: Over 44 terminal arrangements available per pole

Quick-Connect Option: Also offered with quick-connect terminals only

Screw Terminal Standard: Uses #6-32 plated steel wire binding screws (plain/plated brass optional)

Quick-Connect Specs: .032" x .250" tin-plated brass male tabs

Tab Styles: Single or double tabs available in straight, 45°, or 90° configurations

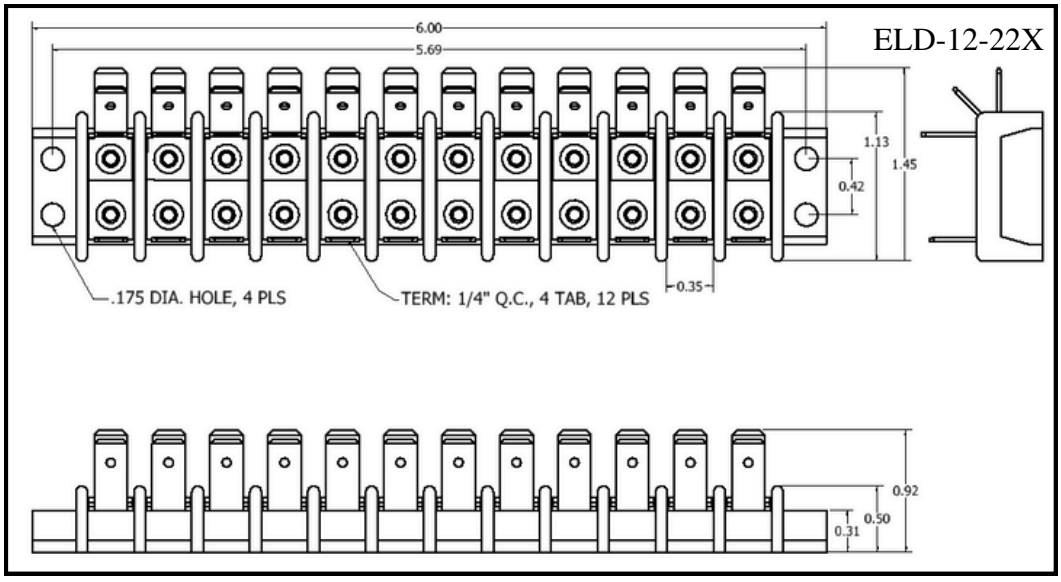
Terminal Capacity: Up to three quick-connect terminals can be combined on a single pole

Durable Base Material: High-temp phenolic base, UL 94V-0 rated for 150°C

Mounting Holes: Four 0.175" holes (two per end) on standard 7/16” center-to-center spacing

Optional Markings: Terminal ID printing available to customer specs

Interchangeable: Compatible with other 7/16” spaced barrier blocks for easy replacement and sourcing



All dimensions are in inches

ELD-12-22X Specs

Commercial Appliance: 250V & 20A
General Industrial: 300V & 10A
Temperature Rating: 150°C
Wire Range: #14-18 sol./str. AWG
Wire Type: Copper

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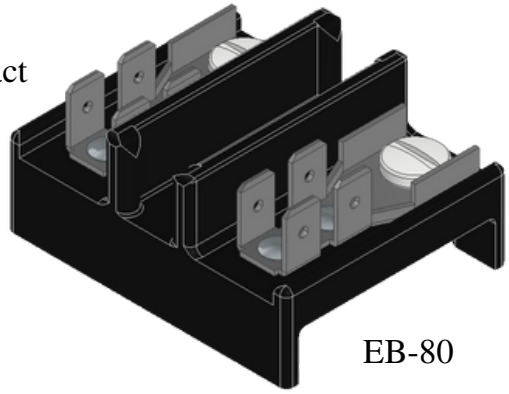
Power Distribution Block

- **Two-Pole Design:** Compact power terminal block
- **Rugged Construction:** Molded phenolic housing resists heat and impact
- **Line Connections:** Screw terminals and lugs
- **Load Connections:** Quick-connect tabs, binding screws, or pressure screws
- **Versatile Options:** Over 100 model configurations available
- **Flame-Retardant:** UL 94 V-1 rated for safety



EB-80

UL E61937

- Temperature Rating: 150°C
- Voltage: 300V, 600V with Insulator Board

Category #	Current (A)	Wire Material	Wire Range (AWG)	Applied Torque (in.-lbs.)
EB-1-___	-	Cu	6-8	35
EB-2-___	-	Cu or Al	2/0-3 4-6 8 10-14	50 45 40 35
EB-3-___	50	Cu or Al	4-6 8 10-14	35 25 20
EB-4-___	75	Cu or Al	2-3 4-5 8 10-14	50 45 40 35
EB-5-___	120	Cu or Al	1/0 -3 4-6 8 10-14	50 45 40 35

CSA 1724185

Category #	Current (A)	Voltage (V)	Temperature Rating (°C)	Wire Material	Wire Range AWG
EB-2-___	175	300 or 600	75	Cu or Al	2/0-14 str./sol.
EB-3-___	50	300	75	Cu	4-14 str./sol.
EB-4-___	75	300	90	Cu	4-14 str./sol.
EB-5-___	120	300	75	Cu	1/0-14 str./sol.

Part Ordering Information EB Block

EB - __ __ - __ __ __ - __ __

Line Connection:
0 = no line connection
1 = 6-8 AWG
2 = 2/0 - 14 AWG*
3 = 4-14 AWG
4= 2 -12 AWG
5 - 1/0 - 14 AWG
If 2 is selected, other connections must be 0

Plating Line Connection:
If 1 was selected
Blank = Unplated Copper
C = plated copper
If 0, 2-5 selected, leave blank

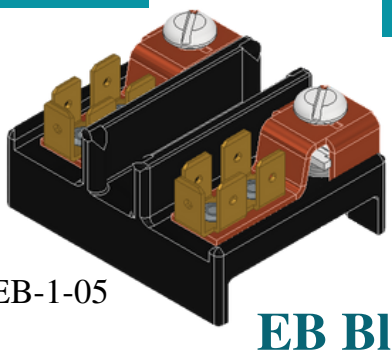
Optional Additional Load Connector:
Must be equal to or smaller than line connection
0 = no connector
1 = 6-8 AWG
3 = 4-14 AWG connector
4 = 2-14 AWG connector
5 = 1/0 - 14 AWG connector

Plating Additional Connector:
If 1 was selected
Blank = Unplated Copper
C = Plated Copper
If 0, 2-5 selected, leave blank

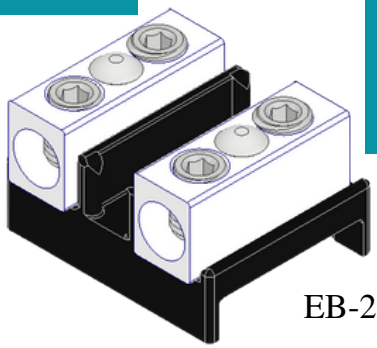
Load Connection:
2 = 2 tabs
3 = 3 tabs
4 = 4 tabs
5 = 5 tabs*
6 = 6 tabs*
12 = 4-14 AWG 2 hole connector
13 = 4-14 AWG 3 hole connector
14 = 4-14 AWG 4 hole connector
**can only be used if optional additional line connector is 0*

Plating Load Connection:
Only if 2-6 are selected
N = Nickel Plated Brass
T = Tin Plated Brass
Blank = Unplated Brass

Insulator
I = Insulator (600V)
Blank = No Insulator (300V)

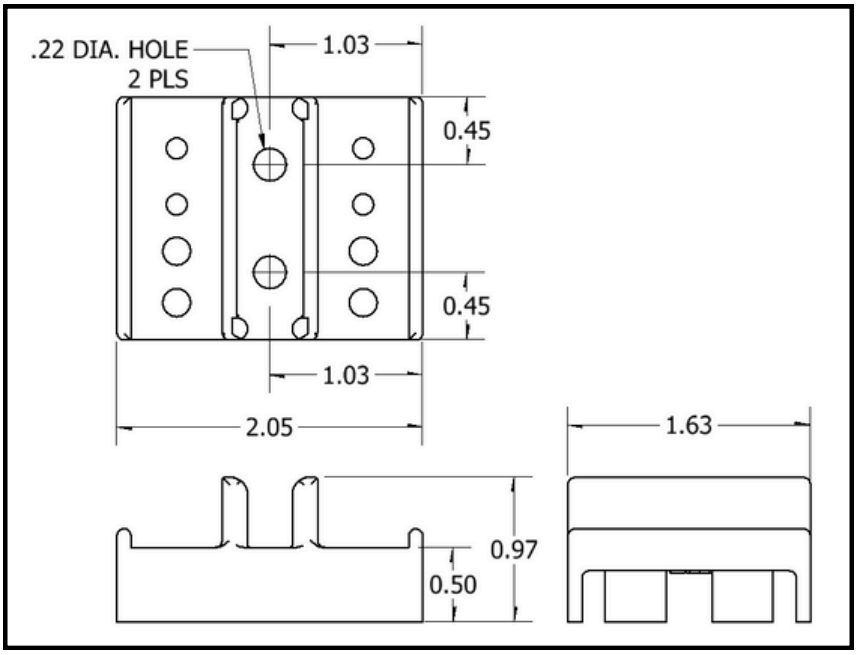


EB-1-05

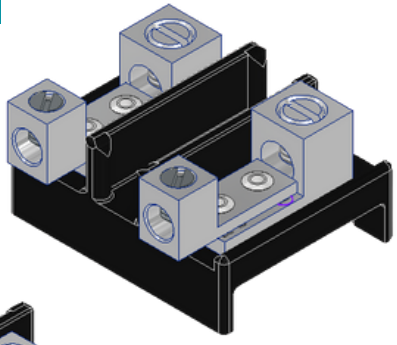


EB-2-00

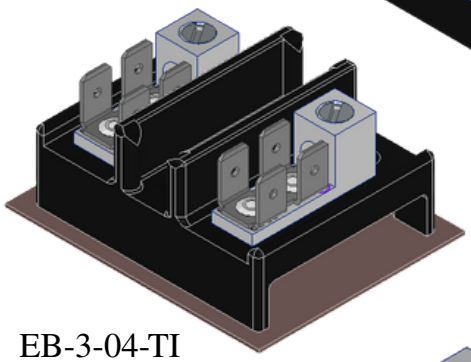
EB Block



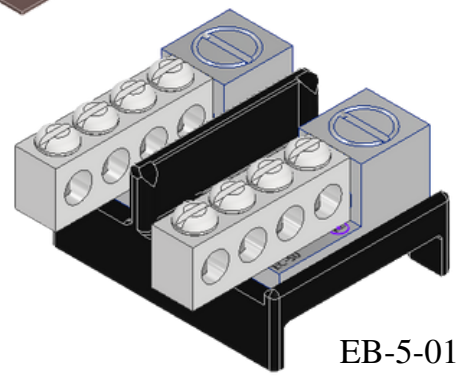
All dimensions are in inches



EB-4-30



EB-3-04-TI



EB-5-014

EB Series

Want to customize this more? Contact us now!

Power Distribution Block

Ordering #: EB-4-04-T

IN STOCK

Versatile Line Connections: Supports screw terminals and lugs for #1/0 conductors

Flexible Load Options: Combine quick-connect tabs, binding screws, or pressure screw connectors

Extensive Model Range: Nearly 100 configurations available to suit diverse applications

Reliable Power Distribution: Two-pole design ensures stable, high-capacity performance

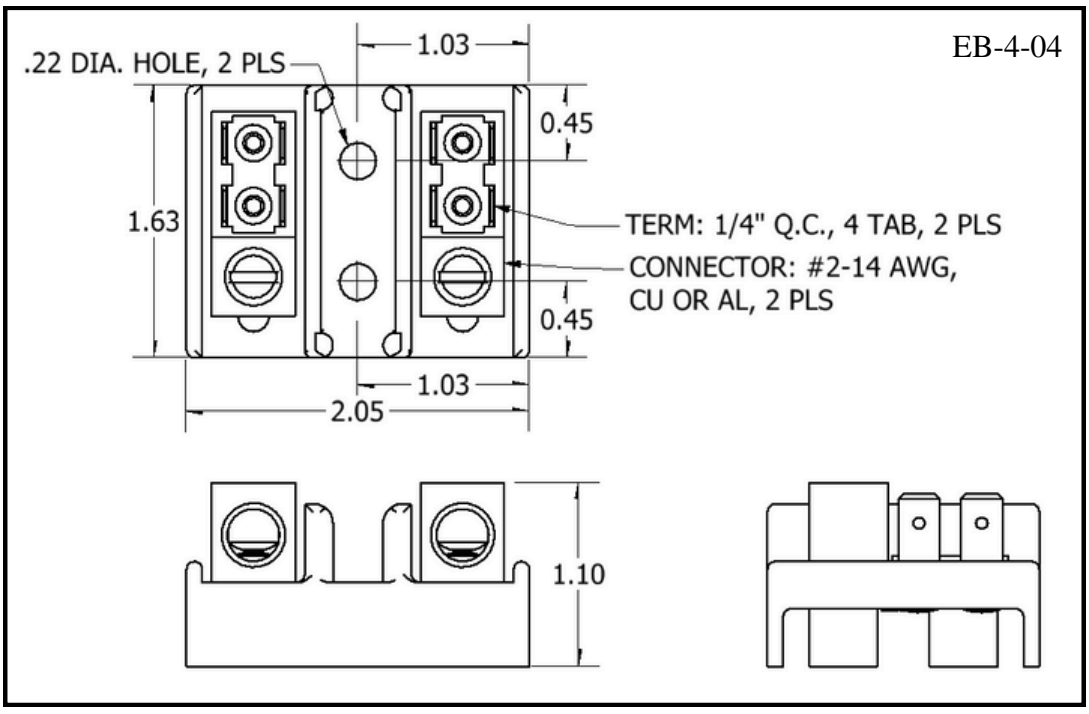
UL Flame Rating: UL 94 V-1 rated for flame retardancy

Durable Construction: UL-listed molded phenolic base rated for 150°C

Optional Features: Custom terminal combinations and configurations to match specific needs

EB-4-04 Specs

Voltage: 300V
Current: 75A
Wire Range: #2-14 AWG
Wire Type: Cu or Al
Temp Rating: 150°C
Tightening Torque: 35-50 in.-lbs.

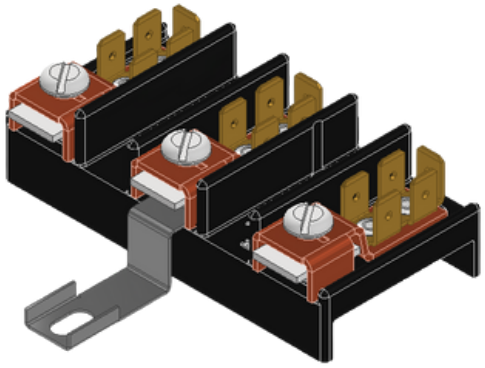


All dimensions are in inches

ERB Series

Power Distribution Block

- **Three-Pole Configuration:** Power terminal block with compact, efficient design
- **Durable Construction:** Molded phenolic housing offers high strength and heat resistance
- **Versatile Connectivity:** Supports a wide range of terminals and connector options
- **Flame-Retardant Material:** UL 94 V-1 rated for safety in demanding environments



ERB-1-05-G

UL E61937

- Temperature Rating: 150°C
- Voltage: 300V, 600V with Insulator Board

Category No.	Current (A)	Wire Type	Wire Range (AWG)	Tightening Torque (in. – lbs.)
ERB-1- ____	50	Cu	6-8	35
ERB-2 - ____	175	Cu or Al	2/0-3 4-6 8 10-14	50 45 40 35
ERB-3 - _____	50	Cu or Al	4-6 8 10-14	45 40 35
ERB-4 - _____	75	Cu or Al	2-3 4-6 8 10-14	50 45 40 35
ERB-5 - ____	120	Cu or Al	1/0-3 4-6 8 10-14	50 45 40 35

CSA 1742185 & 70063223

Category #	Current (A)	Voltage (V)	Temperature Rating (°C)	Wire Material	Wire Range AWG
ERB-1- _ _	50	300	150	Cu	6-8 str.
ERB-2-_ _	175	300 or 600	75	Cu or Al	2/0-14 str./sol.
ERB-3- _ _	50	300 or 600	75	Cu	4-14 str./sol.
ERB-4- _ _	75	300	90	Cu	4-14 str./sol.
ERB-5-_ _	120	300	75	Cu	1/0-14 str./sol.

Part Ordering Information ERB Block

ERB - __ __ - __ __ - __ __ __ __

Line Connection:
0 = no line connection
1 = 6-8 AWG
2 = 2/0 - 14 AWG*
3 = 4-14 AWG
4= 2 -12 AWG
5 - 1/0 - 14 AWG
**If 2 is selected, other connections must be 0*

Plating Line Connection:
If 1 is selected
Blank = Unplated Copper
C = Plated Copper
If 0, 2-5 is selected leave blank

Optional Additional Load Connector:
Must be equal to or smaller than line connection
0 = no connector
1 = 6-8 AWG
3 = 4-14 AWG connector
4 = 2-14 AWG connector
5 = 1/0 - 14 AWG connector
6 = 4-14 AWG 3-hole* connector
7 = 4-14 AWG 4-hole* connector
**If 6 or 7 is selected, other Load must be 0*

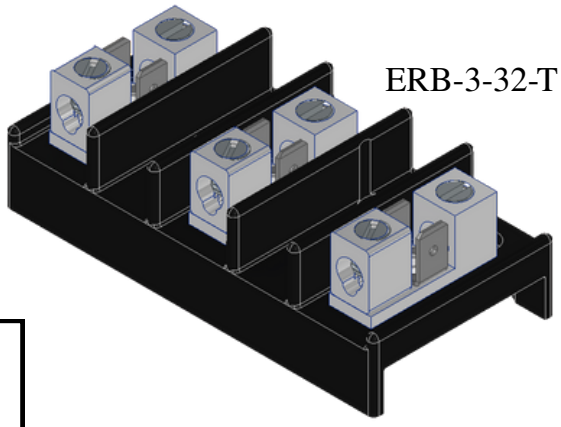
Load Connection:
0 = 0 tabs
2 = 2 tabs
3 = 3 tabs
4 = 4 tabs
5 = 5 tabs
6 = 6 tabs
8 = 8 tabs
10 = 10 tabs*
**Only available with the #0 line connection*

Plating Additional Load Connection:
If 1 is selected
Blank = Unplated Copper
C = Plated Copper
If 0, 2-5 is selected leave blank

Ground Stap:
G = Ground Strap
Blank = no ground strap

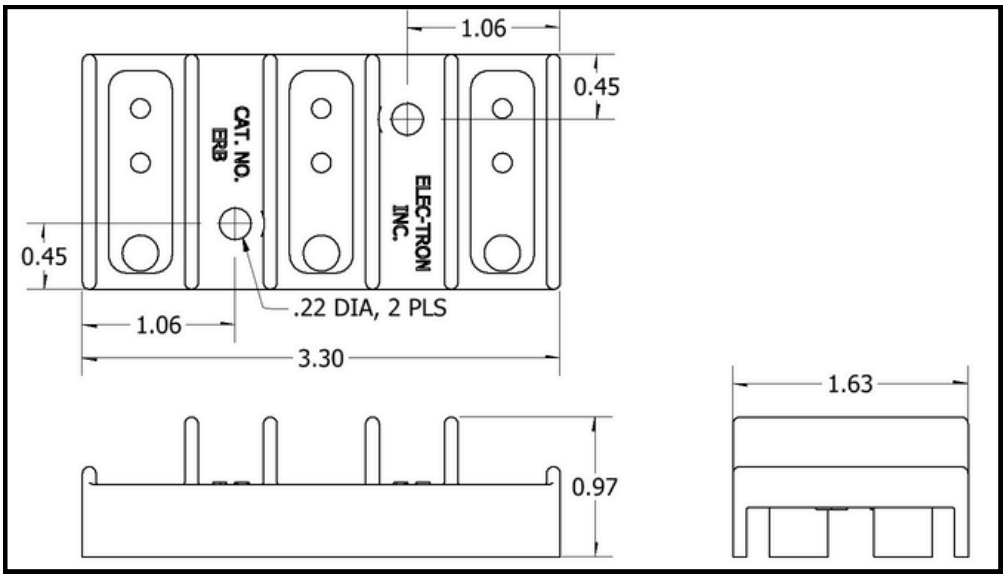
Plating ALL Load Connections:
N = Nickel Plated Brass
T = Tin Plated Brass
blank = Unplated Brass

Insulator
I = Insulator (600V)
Blank = no insulator (300V)

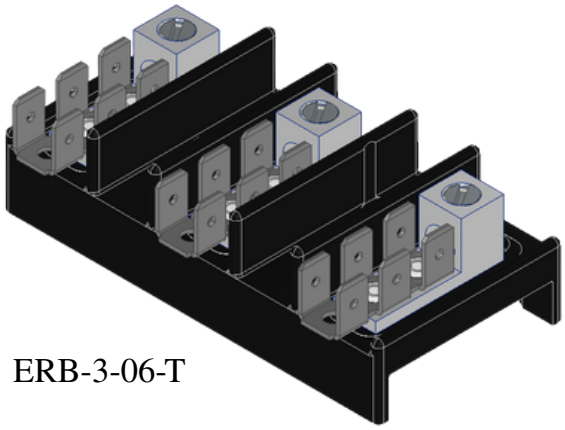


ERB-3-32-T

ERB Block



All dimensions are in inches

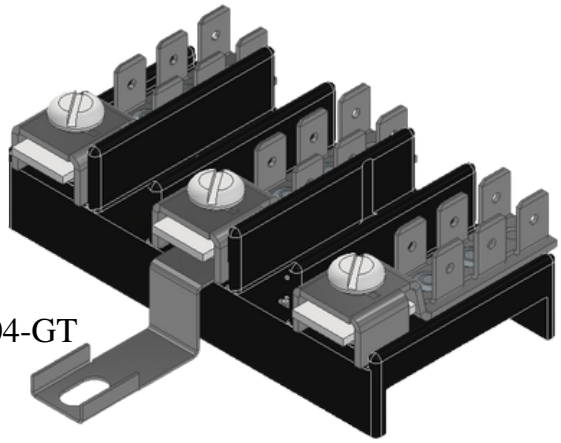


ERB-3-06-T

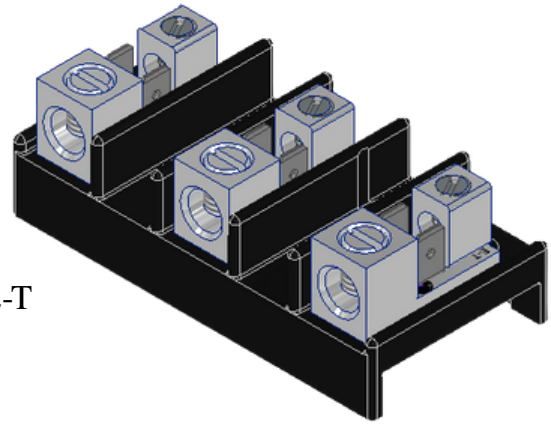
ERB Series

Like these configurations? Contact us now!

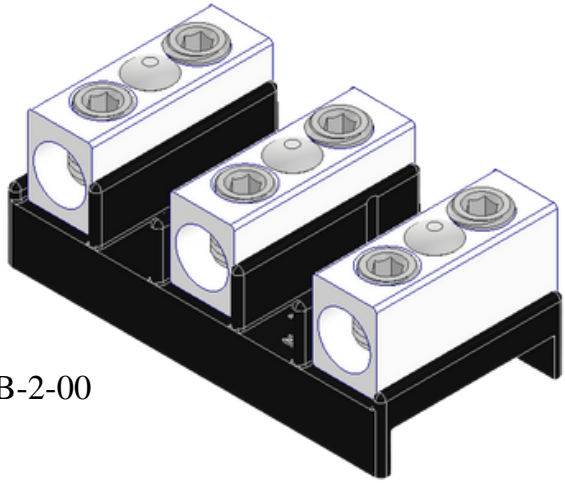
ERB-1C-04-GT



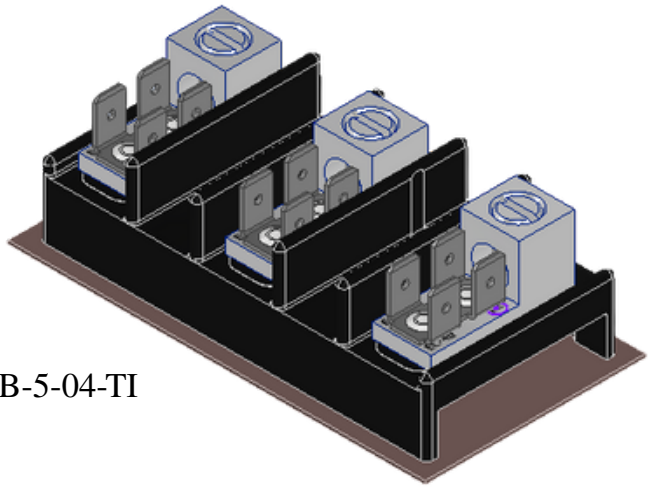
ERB-4-32-T



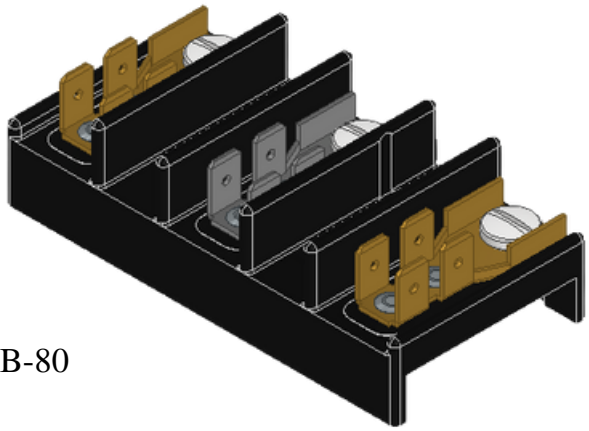
ERB-2-00



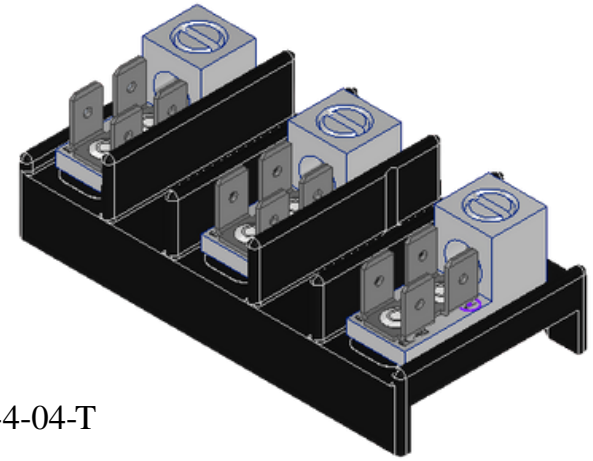
ERB-5-04-TI



ERB-80



ERB-4-04-T



ERB Series

Power Distribution Block

Ordering #: ERB-5-06-T

IN STOCK

Three-Pole Design: ERB Series delivers expanded connectivity in a compact form

Broad Compatibility: Offers the same wide selection of terminals and connectors as the EB Series

Ideal for Field Wiring: Provides a reliable junction between field wiring and internal circuits

Multiple Wire Ranges: Supports entrance wire sizes of 6–8, 4–14, 2–14, and 0–14 AWG

Configurable Options: Available in both 2- and 3-pole models to suit application needs

UL Flame Rating: UL 94 V-1 rated for flame retardancy

Quick-Connect Efficiency: Enables fast, economical branch circuit connections

ERB-5-06-T Specs

Voltage: 300V

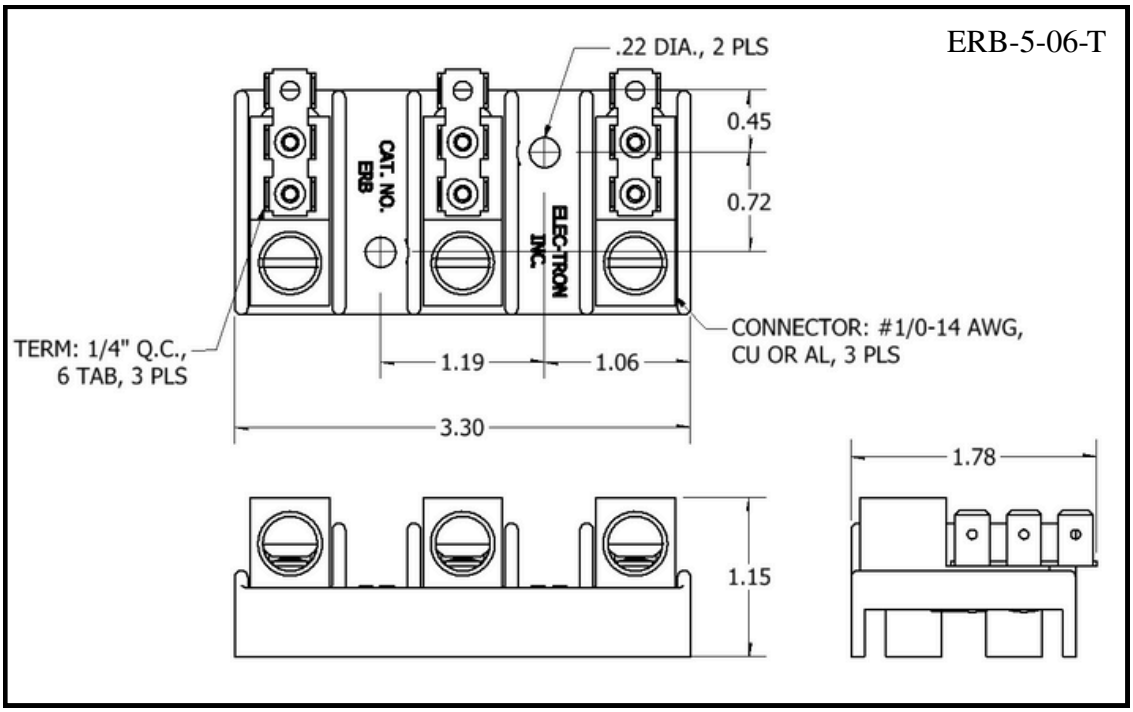
Current: 120A

Temp Rating: 150°C

Wire Range: #1/0-14 AWG

Wire Type: Cu or Al

Tightening Torque: 35-50 in.-lbs.

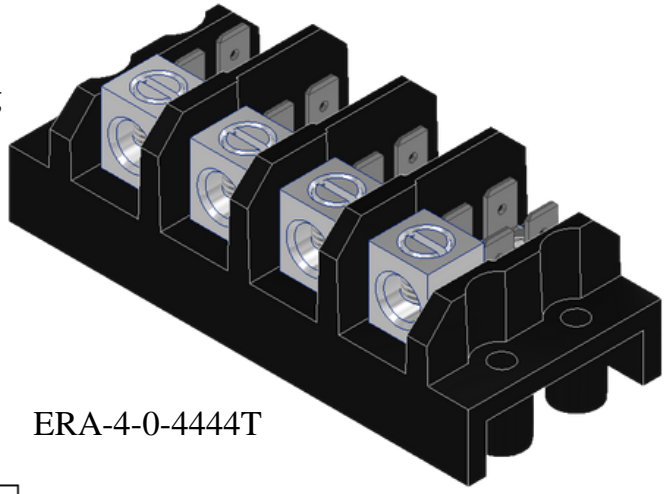


All dimensions are in inches

ERA Series

Power Distribution Block

- **Four-Pole Design:** Supports internal and field power wiring
- **Versatile Connectivity:** Accepts multiple terminal types
- **Reinforced Build:** Bottom ribs enhance strength
- **High-Temp Base:** Phenolic material resists heat and electrical stress



ERA-4-0-4444T

UL E61937

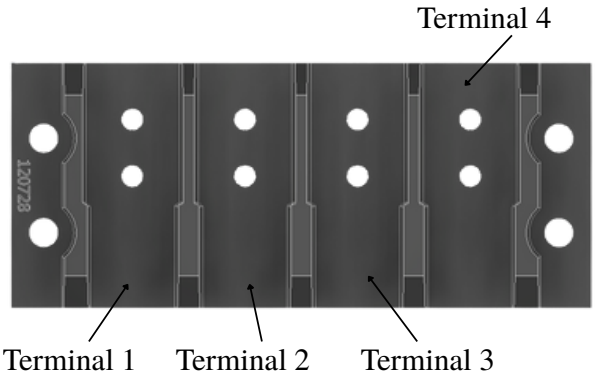
- Voltage: 600V
- Temperature Rating: 150°C

Category No.	Wire Range (AWG)	Wire Type	Current (A)
ERA-3 _____	4-14	Cu/Al	50
ERA-4_____	2-14	Cu/Al	75

CSA1742185

- Wire Range: #4-14 AWG Str./Sol.
- Wire Type: Copper

Category No.	Voltage (V)	Current (A)	Temperature Rating (°C)
ERA-3 _____	600	50	75
ERA-4_____	300	75	90



Part Ordering Information ERA Block

Terminal: 1 2 3 4

ERA - __ - __ __ __ __ __ __

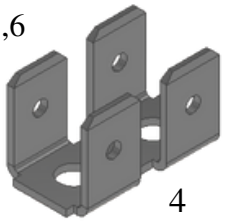
Line Connection:
0 = No Line Connection
3 = 4-14 AWG Line Connection
4 = 2-14 AWG Line Connection

Load Connection:
Must be equal to or smaller than line connection
0 = No Load Connection
3 = 4-14 AWG Line Connection
4 = 2-14 AWG Line Connection

Tab Options:
0 = 0 tabs
2 = 2 tabs
3 = 3 tabs
4 = 4 tabs
5 = 5 tabs*
6 = 6 tabs*
**Only available if load connection is 0*

Plating on Tabs
T = Tin Plated Brass
N = Nickel Plated Brass

Tab Sizes:
2,3,4,5,6



4

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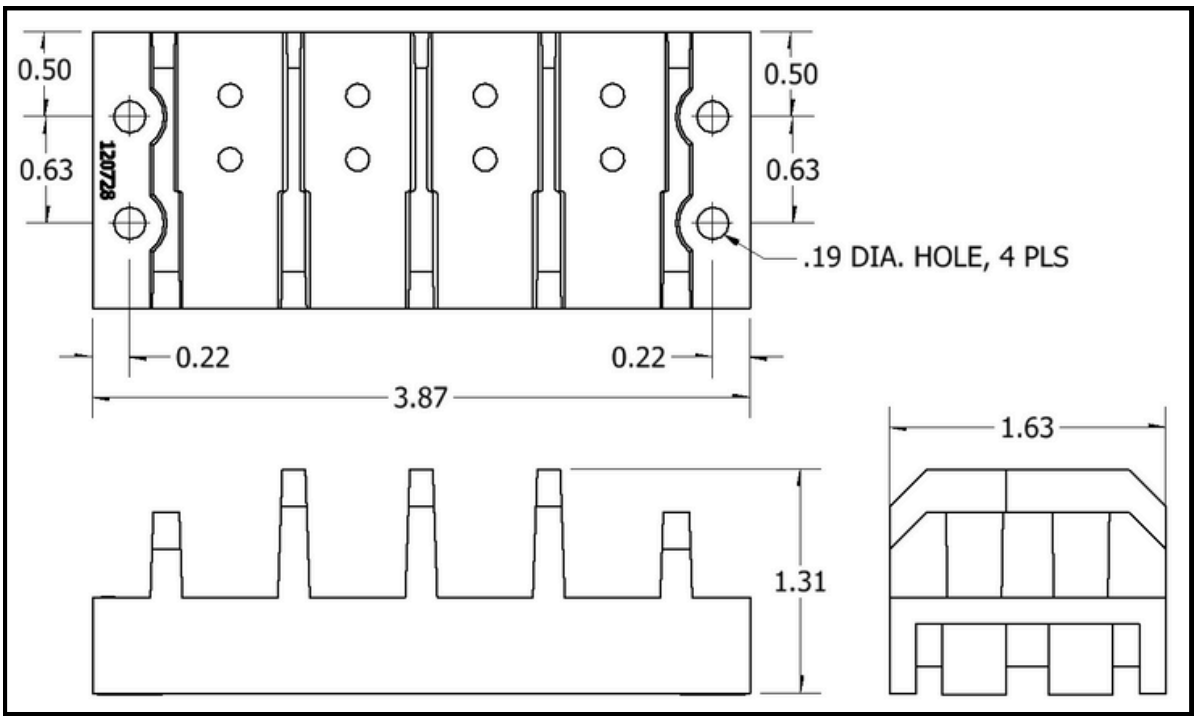
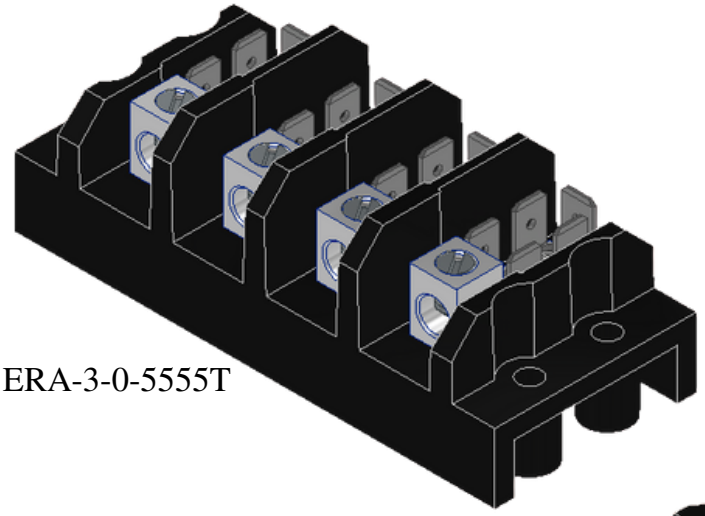
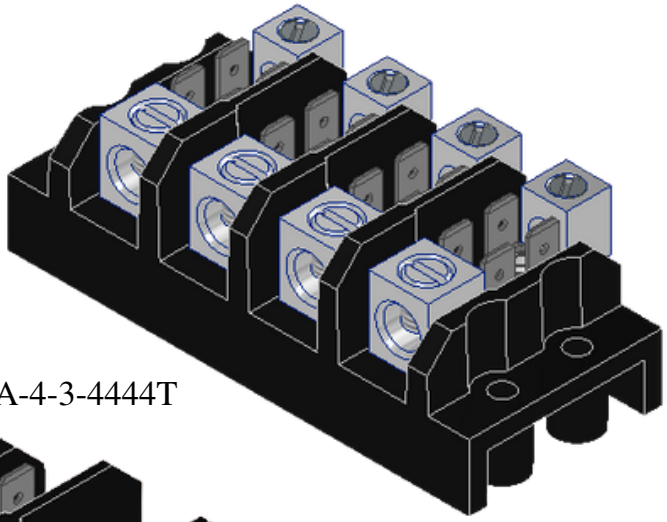
ERA Block



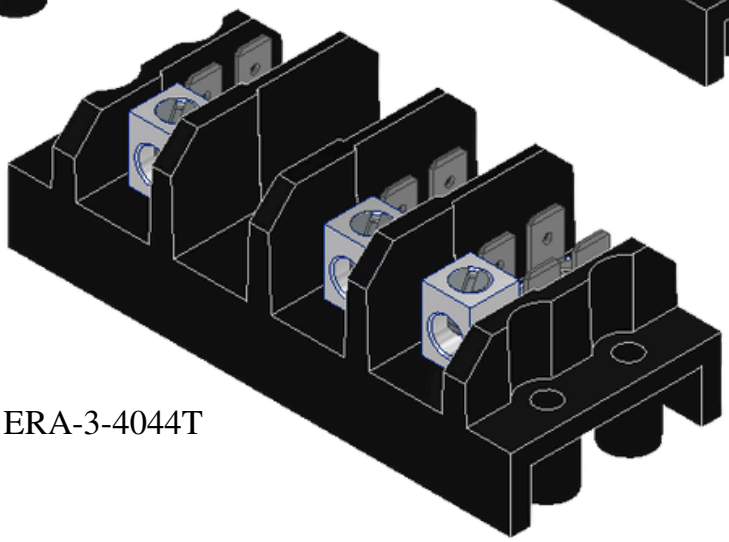
All dimensions are in inches



ERA-3-0-5555T



ERA-4-3-4444T



ERA-3-4044T

Power Distribution Block

Ordering #: ERA-3-0-4444T

IN STOCK

Four-Pole Design: Provides versatile power distribution for internal and field wiring

Wide Terminal Selection: Compatible with a variety of terminals and connectors

Rugged Construction: Built-in bottom ribs add strength and durability

Durable Base Material: Molded high-temperature phenolic base for superior heat and electrical resistance

High Electrical Ratings: UL and CSA certified for up to 600 volts and 50-75 amps

Wire Range Compatibility: Accepts entrance wire sizes from #2 to #14 AWG

ERA-3-4444 Specs

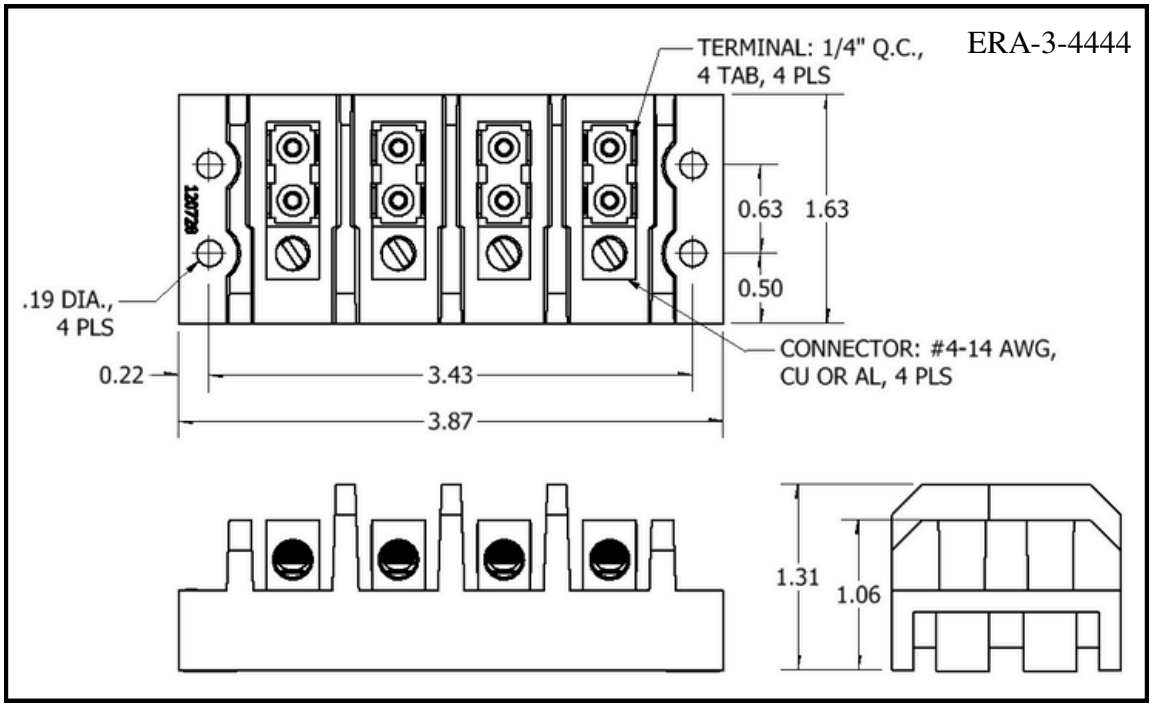
Voltage: 600V

Current: 50A

UL Temperature Rating: 150°C

Wire Range: #4-14 AWG

Wire Type: Cu or Al

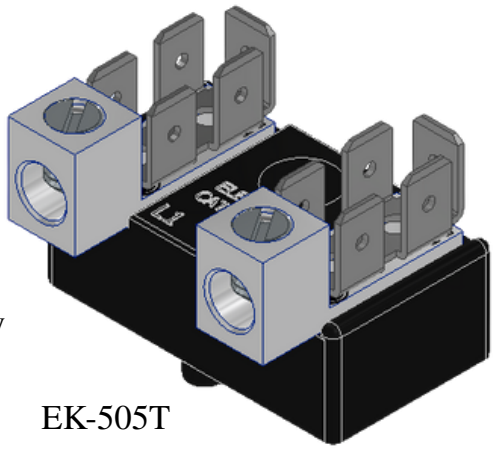


All dimensions are in inches

(316) 542-2993 https://electron.northparkgroup.com

Power Distribution Block

- **Two-Pole Block:** General-purpose design for versatile applications
- **Connector Variety:** Over 50 terminal and connector configurations available
- **Durable Construction:** Molded phenolic base for strength, heat resistance, and reliability
- **Easy Installation:** Single fastener mounting for quick, secure assembly



EK-505T

UL E61937

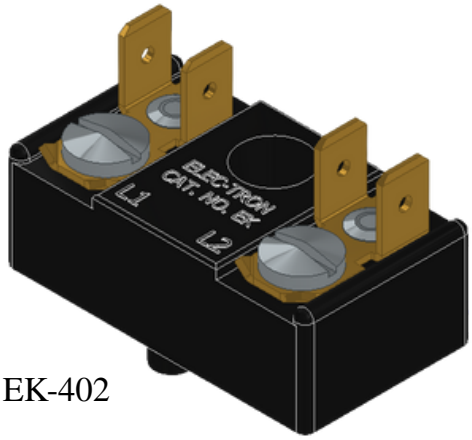
- Voltage: 300V, 250V for Commercial Appliance
- Temperature Rating:150°C

Category No.	Current (A)	Wire Range-Cu (AWG)	Wire Range-Al (AWG)	Tightening Torque (in.-lbs.)
EK – 1___ EK – 2___ EK – 3___ EK – 4___	25	10-14	-	16
EK – 5___	25	10-14	-	16
EK – 6___ EK – 7___	50	4-6 8 10-14	4-6 8 10	35 25 20

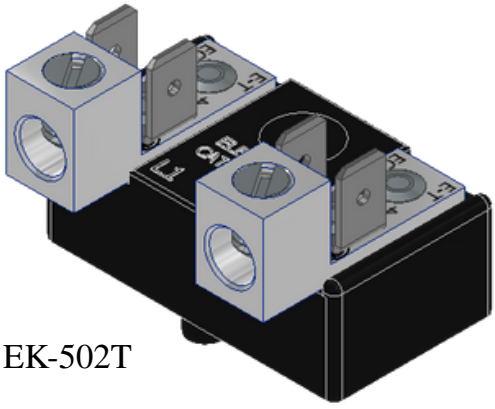
CSA 1742185

- Voltage: 300V
- Temperature Rating: 75°C

Category No.	Current (A)	Wire Range (AWG)
EK – 1___ EK – 2___ EK – 3___ EK – 4___	15 25	14 10-12
EK – 5___ EK – 6___ EK - 7___	15 25 50	14 10-12 4-8

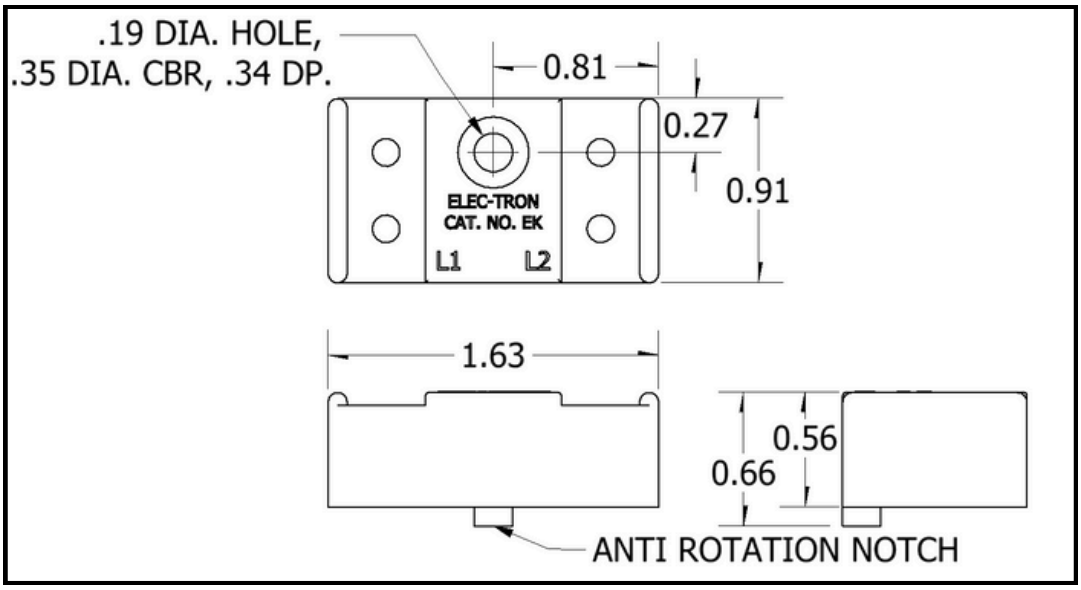


EK-402



EK-502T

EK Block



All dimensions are in inches

Part Ordering Information EK Block

EK - ___ ___ ___

Base:
1 = no base
2 = Screw is Parallel to the Block
3 = Screw is Perpendicular to the Block
4 = Screw Inside of Block
5 = Connector
6 = Connector + Screw
7 = 2 Connectors

Refer to photos on next page

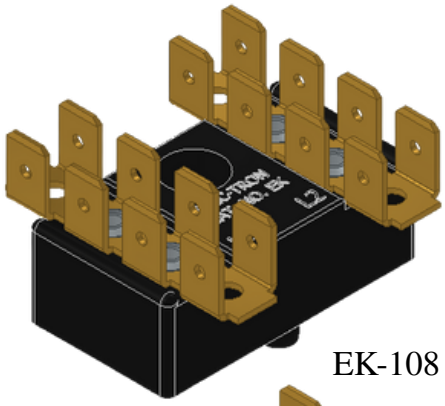
Options for Tabs:
1 = 02-18
2 = 02 - 06
3 = 02 - 06
4 = 02 - 04
5 = 02 - 06
6 = 00 - 04
7 = 00 - 04

Tabs:
00 = 0 tab
02 = 2 tabs
03 = 3 tabs
04 = 4 tabs
05 = 5 tabs
06 = 6 tabs
08 = 8 tabs
09 = 3 & 4 tab

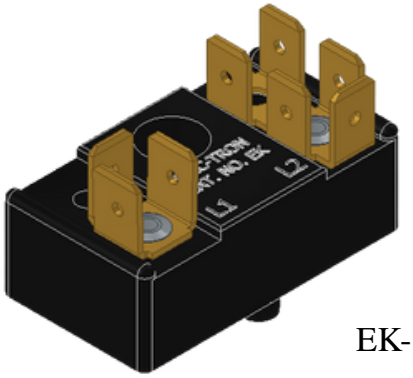
Tabs:
10 = 3 & 5 tab
11 = 3 & 6 tab
12 = 3 & 8 tab
13 = 4 & 5 tab
14 = 4 & 6 tab
15 = 4 & 8 tab
16 = 5 & 6 tab
17 = 5 & 8 tab
18 = 6 & 8 tab

Plating
T = Tin Plated Brass
Blank = Unplated Brass

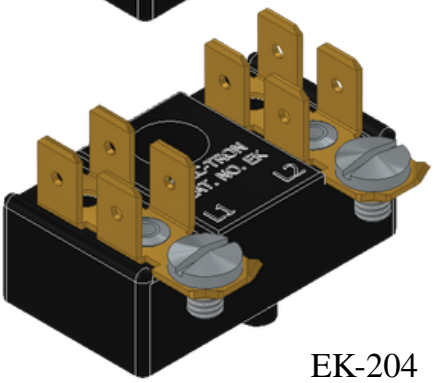
Contact us now to order!



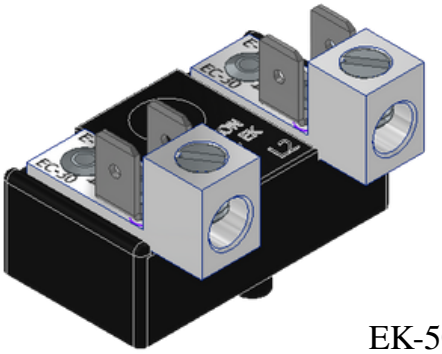
EK-108



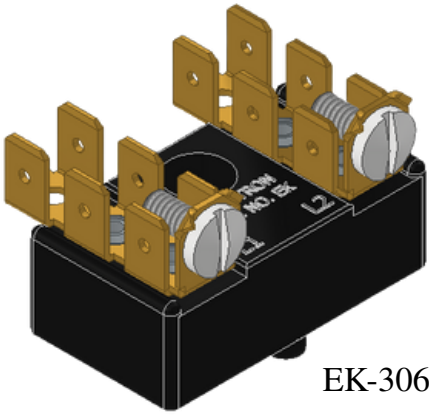
EK-110



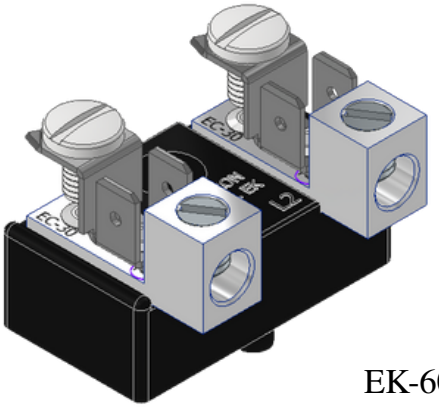
EK-204



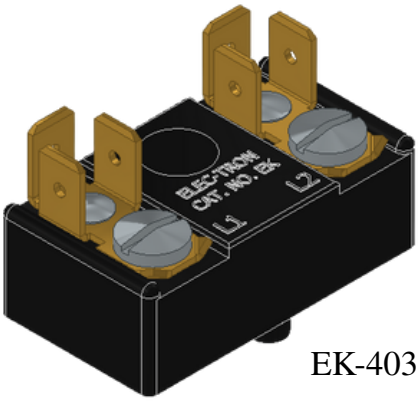
EK-502T



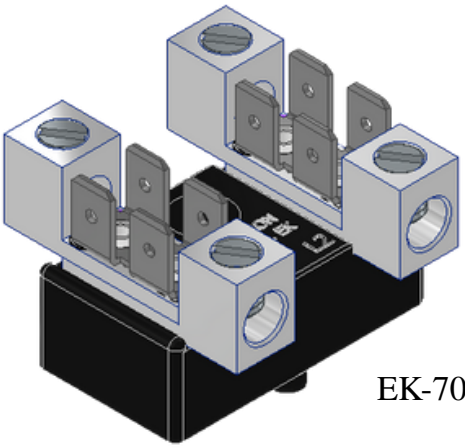
EK-306



EK-602T



EK-403

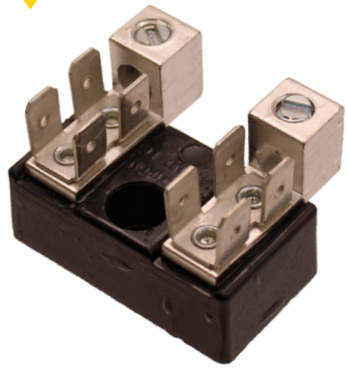


EK-704T

Power Distribution Block

Ordering #: EK-504T

IN STOCK



Compact Two-Pole Design: Cost-efficient terminal block ideal for general-purpose use

Extensive Terminal Options: Over 50 combinations including quick-connect tabs and pressure screw connectors

High Current Capacity: Supports #4 AWG copper or aluminum conductors for power entrance applications

Flexible Load Connections: Configure up to 8 quick-connect tabs, binding head screws, pressure screw terminals, or combinations

Custom Fit: Wide range of load-side options allows for tailored secondary connections

Easy Installation: Single fastener mounting with integrated anti-rotation plastic pin

Panel Mounting: Requires two panel holes—one for fastener, one for .188in. anti-rotation pin (.547in. spacing)

Clear Identification: Molded "L1" and "L2" markings standard; custom printing available

Durable and Certified: UL and CSA listed to 300V, rated for 150°C environments

Amperage Flexibility: Current rating varies by terminal type used

EK-504T Specs

Voltage: 300V*

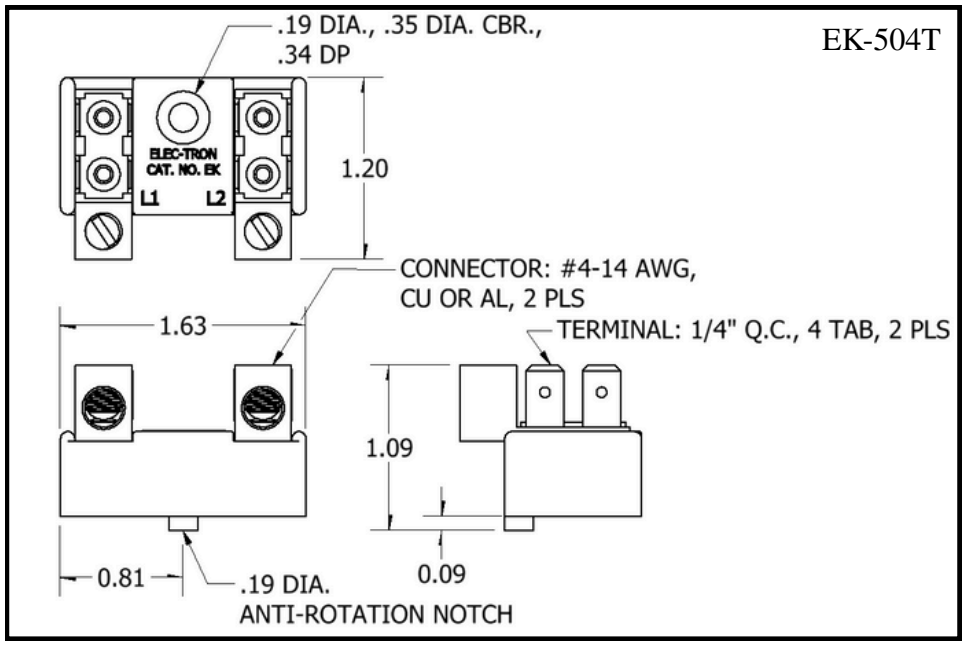
**250V for commercial appliance*

Current: 25-50A

Temp Rating: 150°C

Wire Range: #4-14 AWG

Tightening Torque: 16-35 in.-lbs.

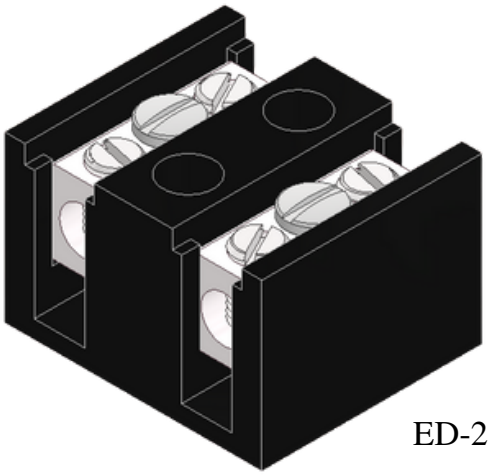


All dimensions are in inches

ED Series

Power Distribution Block

- **Reliable Power Distribution:** Connects incoming power to internal factory wiring
- **Flexible Configurations:** Available in 2- or 3-pole models to suit a variety of applications
- **Built for Tough Jobs:** Ideal for demanding environments such as HVAC systems, cooking equipment, and water heaters
- **Durable Construction:** Molded phenolic base; UL 94 V-1 flame-retardant for enhanced safety and performance



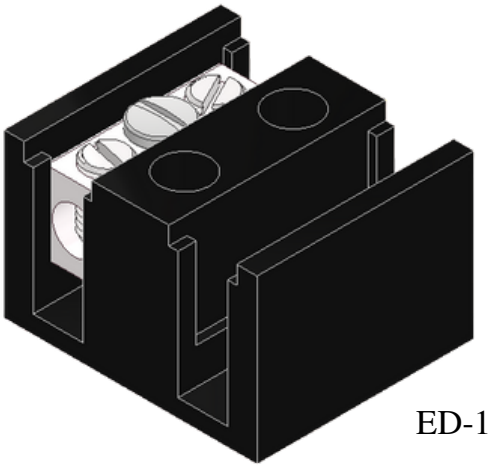
ED-2

UL E61937

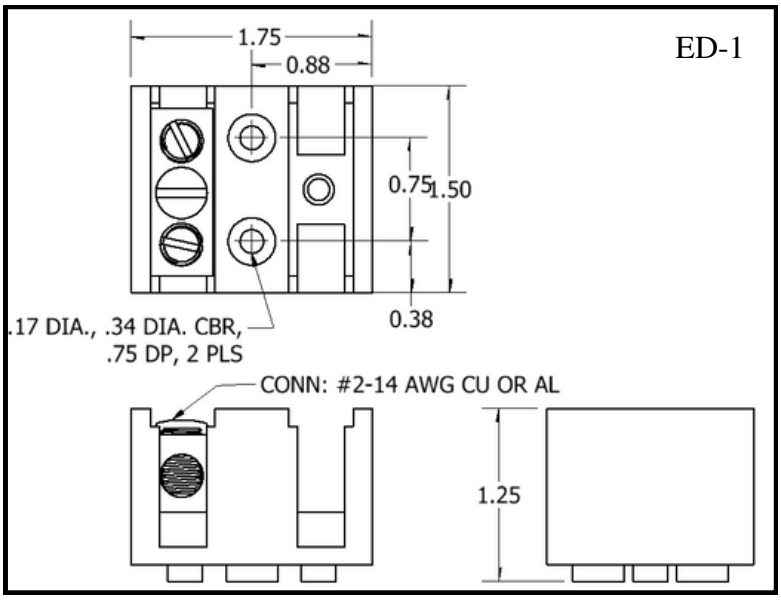
- Temperature rating: 150°C
- Current: 75A
- Voltage: 600V
- Wire Range (Cu): #2-14 AWG
- Wire Range (Al): #2-10 AWG
- Tightening Torque: 35-45 in.-lbs.

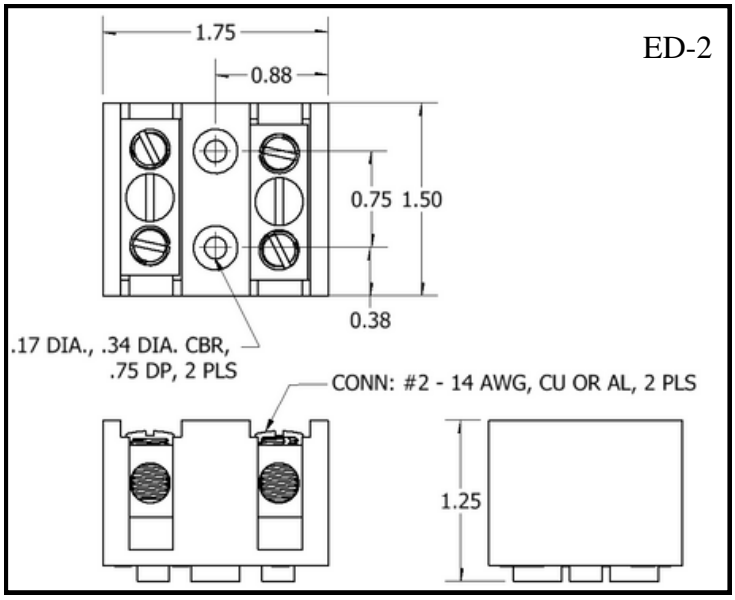
CSA 2606851 (ED-2, ED-3)

- Current: 70A
- Voltage: 600V
- Wire Range: 4-14 AWG str./sol.
- Wire Type: Cu or Al
- Tightening Torque: 35-45 in.-lbs.



ED-1





All dimensions are in inches

ELECTRON™

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Power Distribution Block

Ordering #: ED-3

IN STOCK

Heavy-Duty Power Junction: Designed for incoming power to internal factory wiring

Versatile Configurations: Available in 2- or 3-pole models for a wide range of applications

Ideal for Demanding Uses: Perfect for electric furnaces, duct heaters, heat pumps, commercial cooking equipment, and electric water heaters

High Electrical Rating: 600V, supports #2 to #14 AWG copper or aluminum conductors, rated for 150°C continuous duty

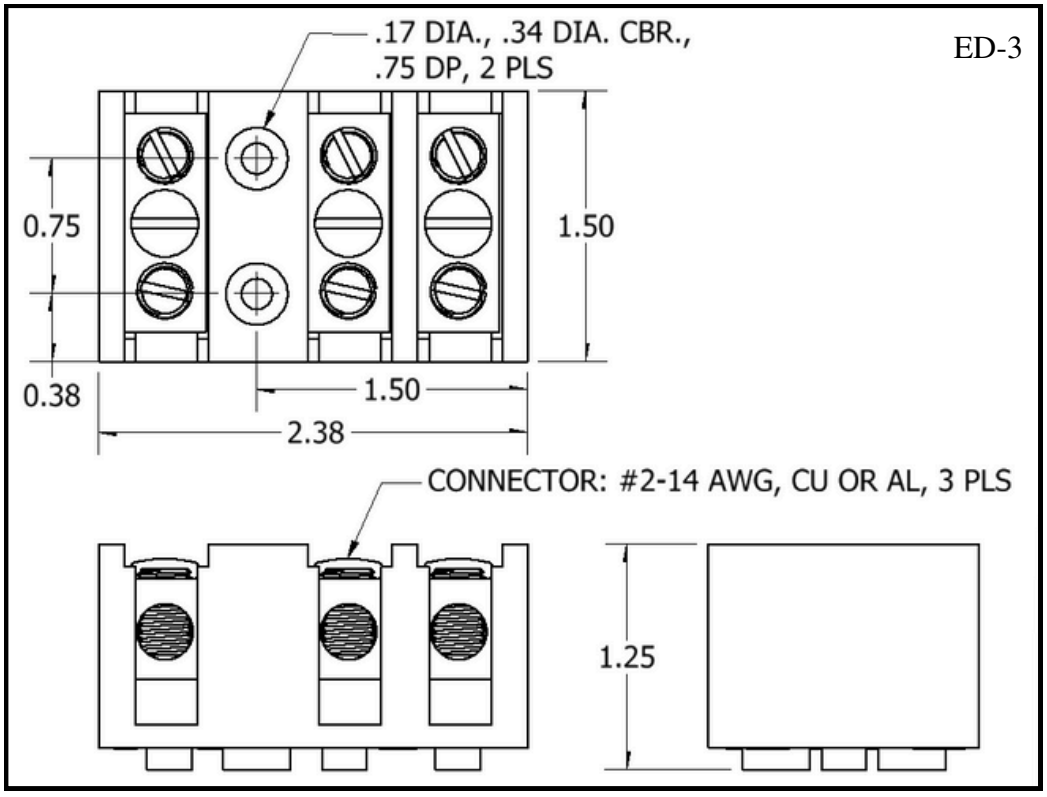
Durable Base Material: Molded from UL 94 V-1 rated electrical-grade phenolic, rated 150°C

Enhanced Safety: Extra heavy sections and recessed mounting fasteners improve strength and protection

Reliable Construction: One-piece connectors eliminate mechanical-electrical joints, reducing the risk of hot spots

ED-3 Specs

Voltage: 300V*
Current: 75A
Temperature Rating: 150°C
Wire Range (Cu): #2-14 AWG
Wire Range (Al): #2-10 AWG
Tightening Torque: 35-45 in.-lbs.
**600V is only applicable for industrial use*

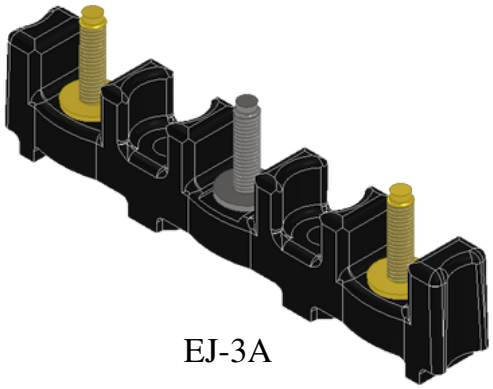


All dimensions are in inches

(316) 542-2993
https://electron.northparkgroup.com

Power Distribution Block

- **Power Entrance Ready:** Threaded stud style for incoming connections
- **2- or 3-Post Options:** Stud-and-nut configurations available
- **Grounding Built-In:** Optional integrated grounding strap
- **Durable Base:** Heat-resistant molded phenolic construction
- **Flame-Retardant:** UL 94 V-1 rated for safety



EJ-3A

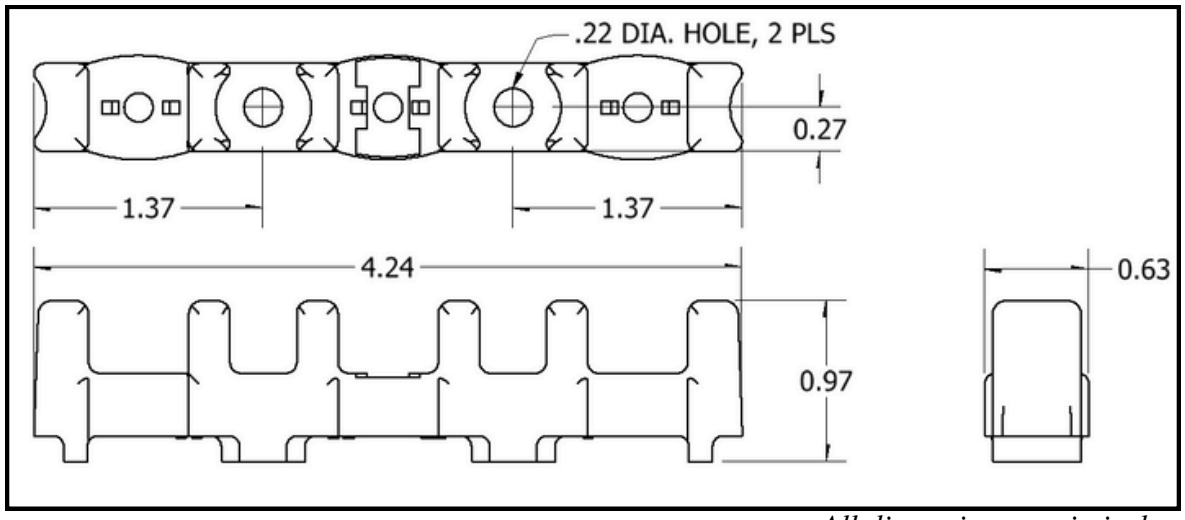
UL E61937

- Current: 60-65A
- Voltage: 300V
- Wire Range: #4-14 AWG
- Wire Type: Copper or Aluminum
- Temperature Rating: 150°C

CSA 2606851

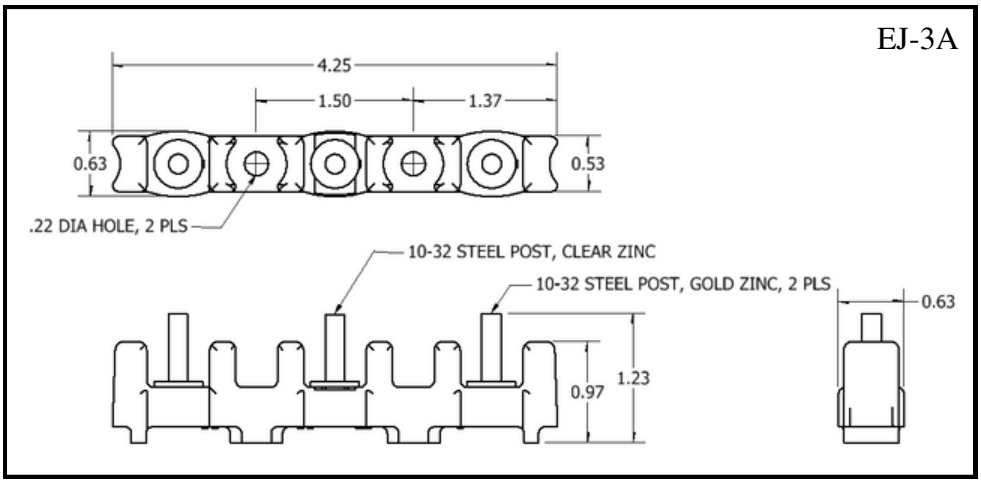
- Current: 60A
- Voltage: 300V
- Wire Range: #6-14 AWG
- Wire Type: Copper

EJ Block



All dimensions are in inches

EJ-3A



All dimensions are in inches

EJ-3A Specs

Voltage: 300V

Current: 65A

Wire Range: #4-14 AWG

Wire Type: Copper

Temp Rating: 150°C

Tightening Torque: 20in.-lbs.

Want a different configuration? Limited availability upon request. Contact us now!

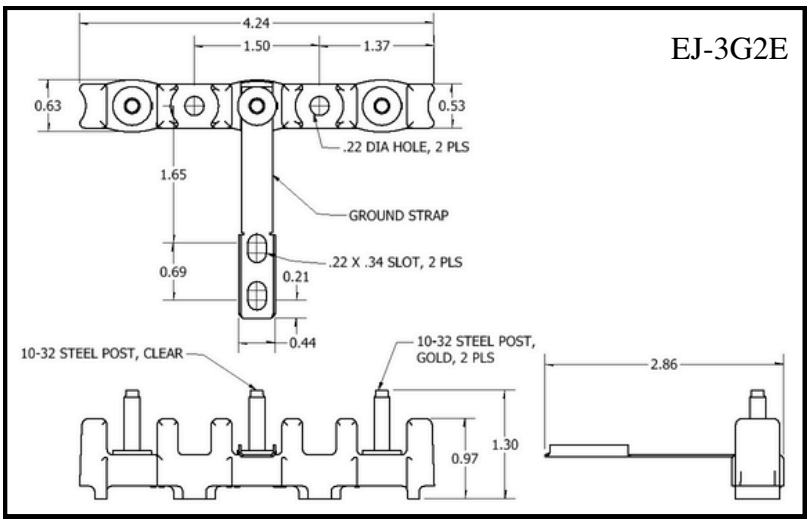
Part Ordering Information EJ Block

EJ	-	3	__	__

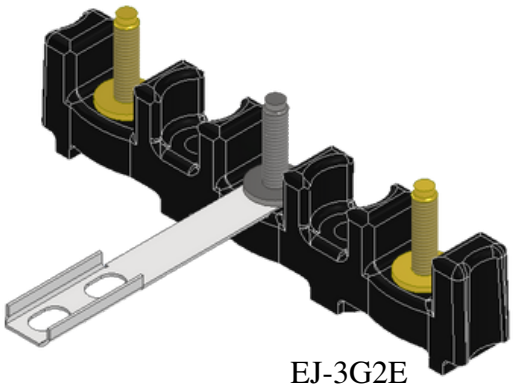
# of Screws:
3 = screws

Ground Strap:
Blank = No Ground Strap
G1 = Ground Strap - 1 Hole (.22" Dia.)
G2 = Ground Strap - 2 Slots (.22" x .34")

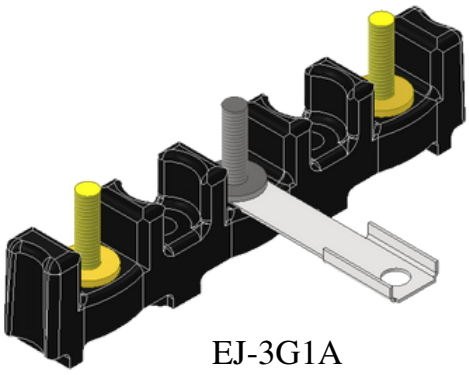
Screw Type:
A = 10-32 x 5/8"
B = 8-32 x 5/8"
D = 6 x 16.5 mm
E = 10-32 x 5/8" Dog Point
F = 10-32 x 3/4" Dog Point
H = 10-32 x 3/8" Dog Point
J = 10-32 x 3/8"
K = 10-32 x 1/4" Dog Point
M = 10-32 x 13/16" Dog Point



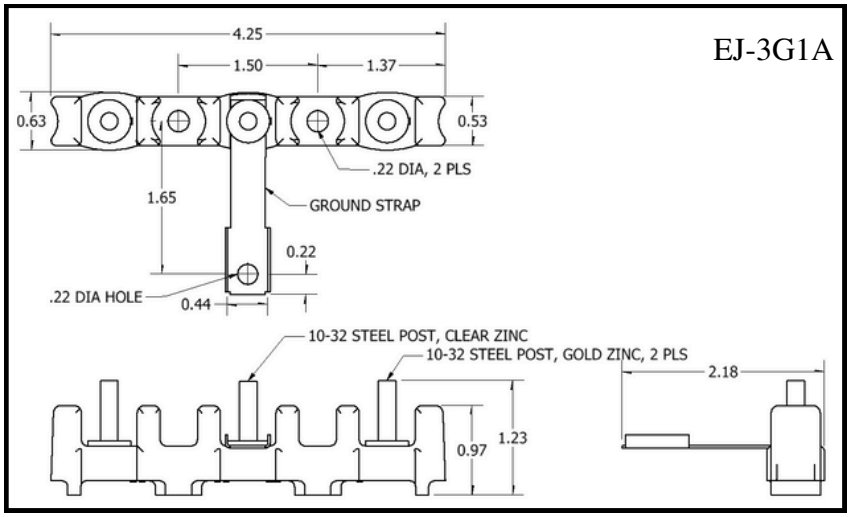
All dimensions are in inches



EJ-3G2E



EJ-3G1A



All dimensions are in inches

Want a different configuration? Limited availability upon request. Contact us now!

Power Distribution Block

Ordering #: EJ-3E

IN STOCK

Power Entrance Ready: Ideal for ranges, dryers, and similar heavy-duty applications

Stud-and-Nut Design: Available in 2- and 3-post configurations for power entrance or internal junction use

Optional Built-In Grounding: Integrated ground strap reduces assembly time and lowers unit cost

Enhanced Strength: 39% greater break and crack resistance than conventional stud-and-nut blocks

Cost-Effective: Provides 19–21% savings compared to traditional models

Factory-Friendly Wiring: Accepts factory-applied ring terminals secured by supplied nuts

Simplified Field Installation: Field-installed cordsets attach via ring terminals and factory-supplied nuts

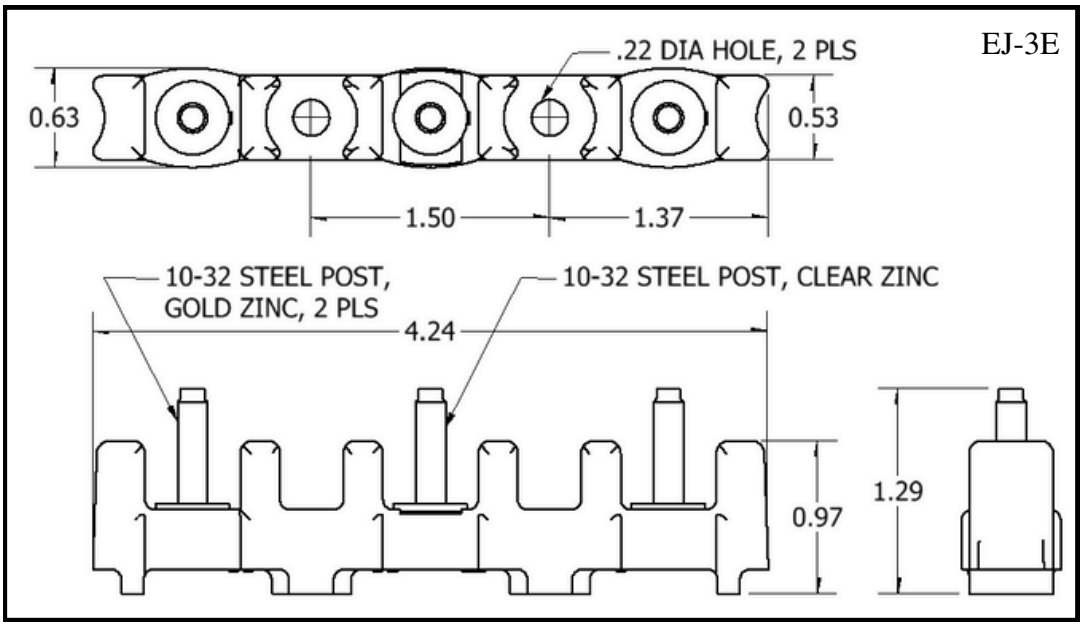
Durable Construction: Molded phenolic base provides heat resistance and rugged performance

Flame-Retardant: UL 94 V-1 rated for safety

Drop-In Replacement: Fully interchangeable with standard 3-post stud-and-nut terminal blocks

EJ-3E Specs

Voltage: 300V
Current: 65A
Wire Range: #4-14 AWG
Wire Type: Copper
Temp Rating: 150°C
Tightening Torque: 20in.-lbs.



All dimensions are in inches

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https://electron.northparkgroup.com

Power Distribution Block

Flame-Retardant Safety: UL 94 V-1 rating ensures high flame resistance and compliance with industry safety standards

Durable Construction: Molded phenolic base resists heat and mechanical stress for long-term reliability

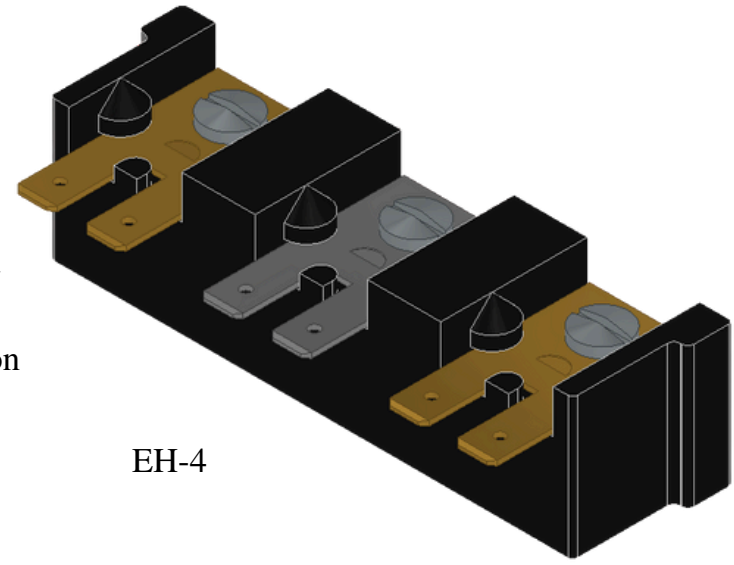
Machine Compatibility: Designed for seamless integration with a wide range of commercial and residential laundry equipment

Clean Wire Management: Offers a secure and organized solution for internal wire connections within machines

Efficient Power Distribution: Centralizes electrical connections to reduce wiring complexity and improve serviceability

Space-Saving Design: Compact footprint fits within tight enclosures while maintaining electrical integrity

Mounting Versatility: Standardized hole spacing and terminal layout support easy installation and replacement



EH-4

EH-4 Specs

Voltage: 300V

Current: 30A

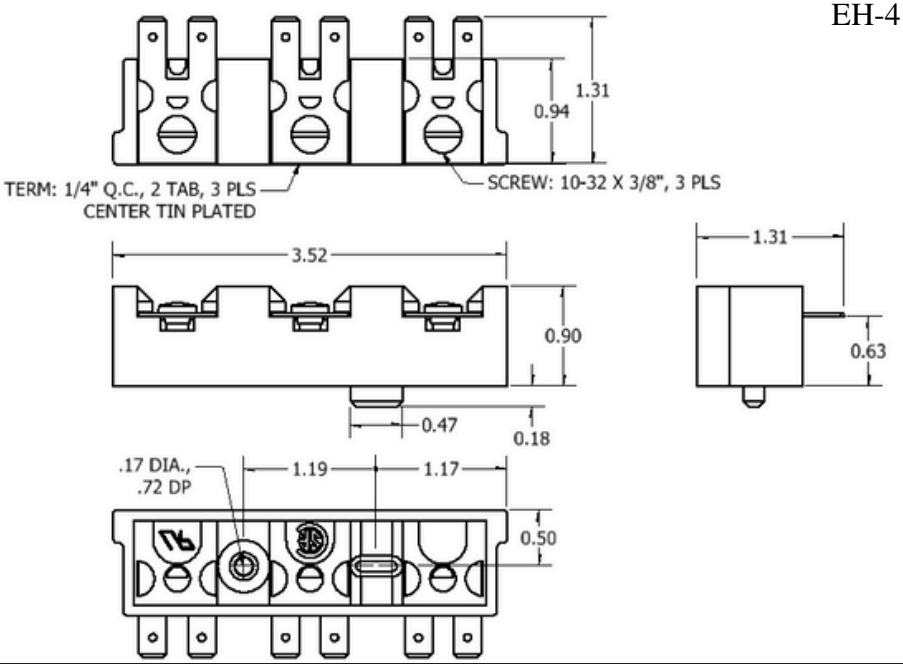
UL Temperature Rating: 150°C

Wire Range: #10-20 Sol./Str. AWG

Wire Type: Copper

Tightening Torque: 15 in.-lb.

EH-4

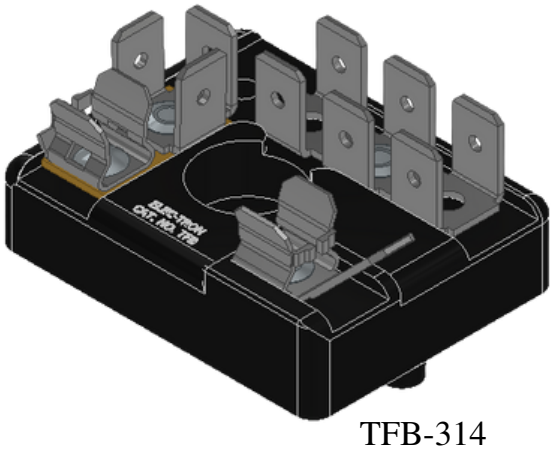


All dimensions are in inches

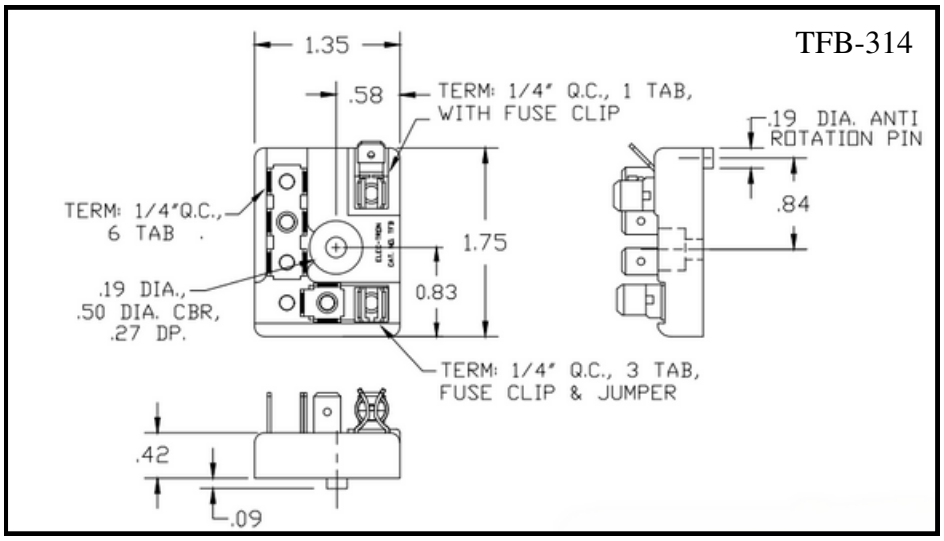
TFB Series

Terminal Fuse Blocks

- **Integrated Design:** Combines quick-connect terminals and fuse holders in a single, space-saving block
- **Easy Installation:** Single fastener mounting allows for quick and secure placement
- **Terminal Options:** Available with .250" × .031" or .188" × .020" male tabs
- **Durable Base:** Molded phenolic base provides excellent heat resistance and mechanical stability
- **Fuse Compatibility:** Designed for 1/4" × 1-1/4" tube fuses

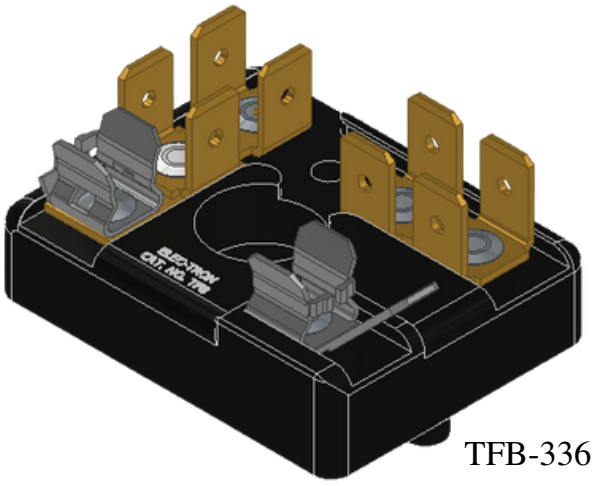


TFB-314

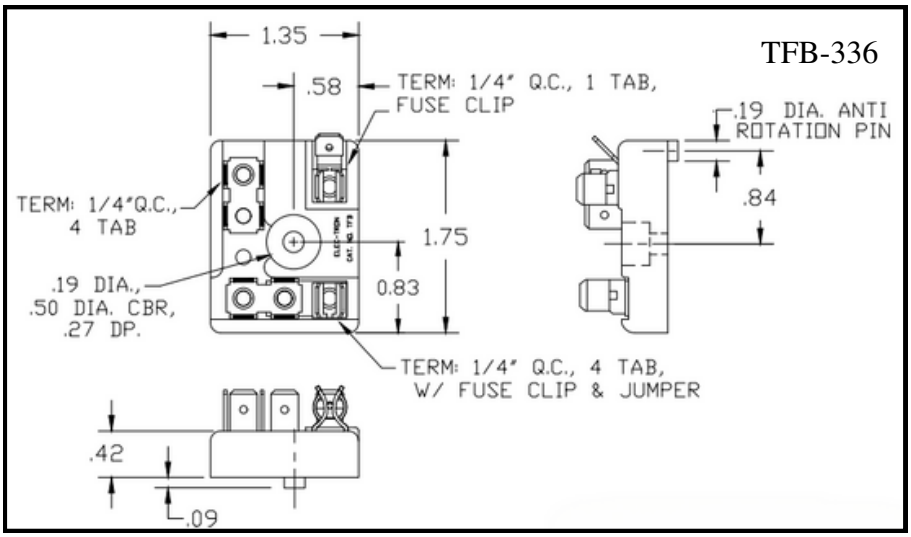


All dimensions are in inches

Other configurations are available upon request.
Contact us to build your dream block today!

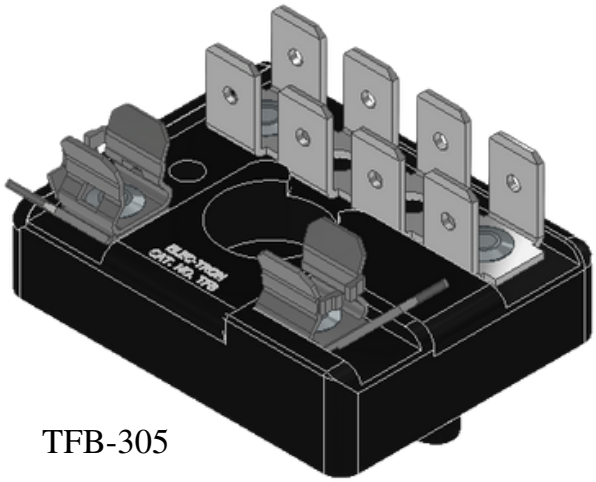


TFB-336

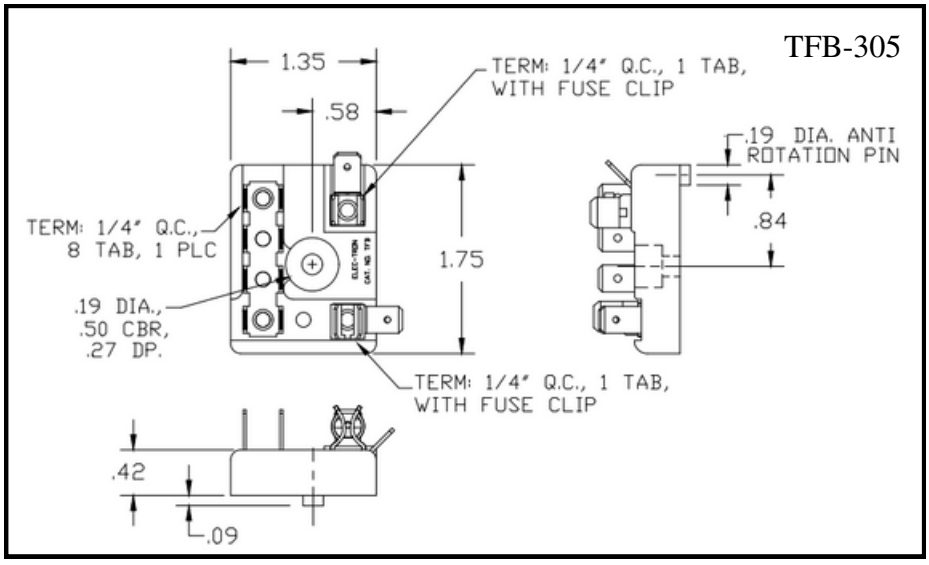


All dimensions are in inches

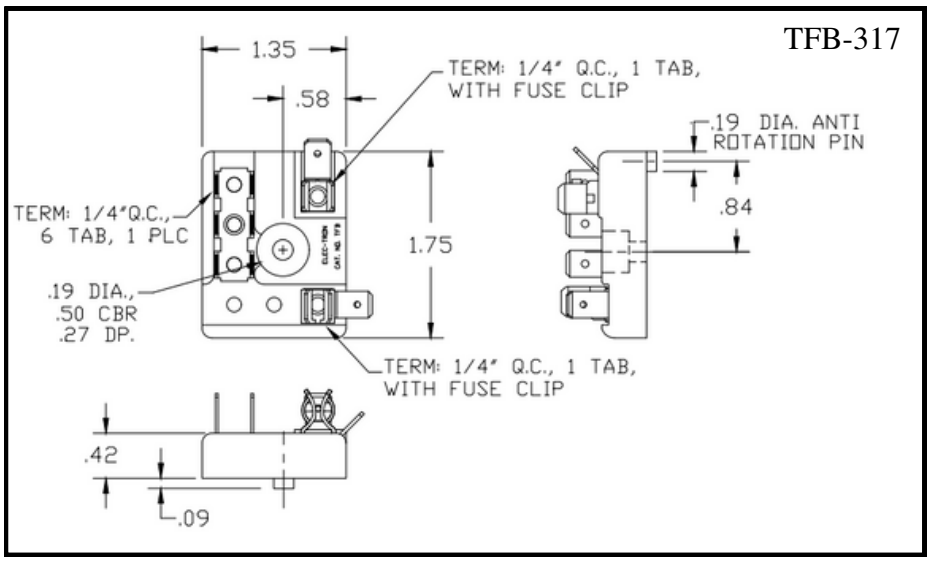
ELECTRON™



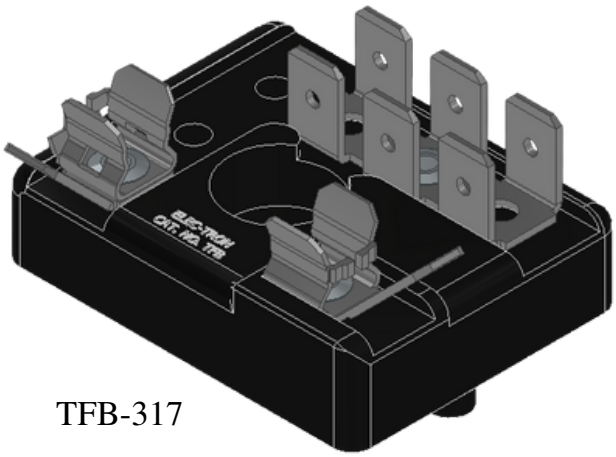
TFB-305



All dimensions are in inches



All dimensions are in inches



TFB-317

Other configurations are available upon request.
[Contact us to build your dream block today!]

Terminal Fuse Block

Ordering #: TFB-323

IN STOCK

Combination Design: Integrates quick-connect terminals with standard 1/4" fuse holders on a single molded block

Cost & Space Saving: Optional internal fuse junctions with multiple quick-connect tabs reduce wiring and component footprint

Fuse Compatibility: Designed for 1/4" × 1-1/4" tube fuses using plated spring bronze fuse clips

Mounting Simplicity: Single fastener mounting with anti-rotation via 0.19" plastic pin

Flexible Configuration: Available as a fuse/terminal combo block or straight terminal block with various quick-connect options

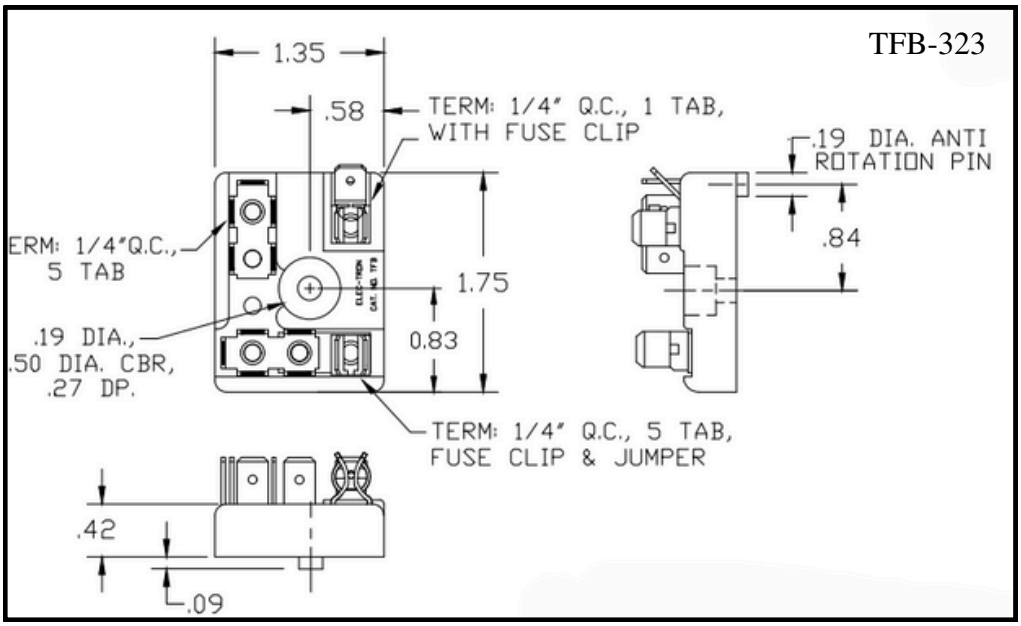
Application Versatility: Ideal for microwave ovens, small appliances, and general internal junction use

Terminal Options: Choice of .250" × .031" or .188" × .020" male tabs in plain or tin-plated brass

Reliable Construction: One-piece or riveted fuse clip assemblies—no fasteners through the phenolic block

Durable Base: Molded phenolic housing for heat resistance and structural integrity

Optional Features: Special terminal identification markings available

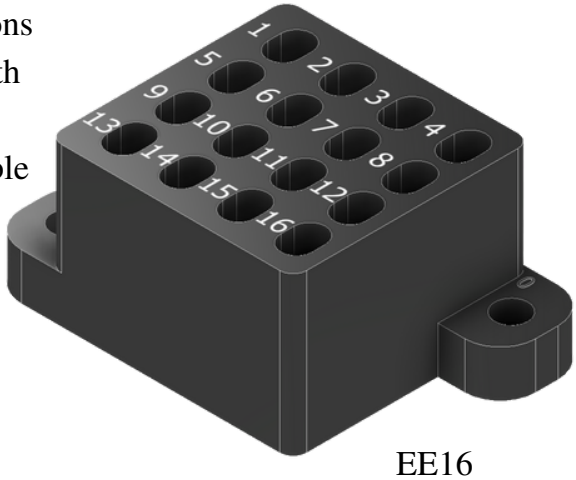


All dimensions are in inches

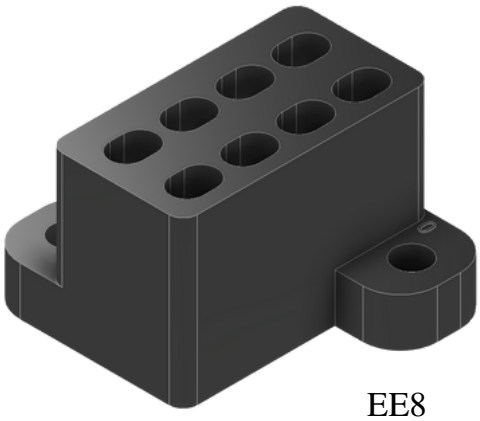
TFB Series

Insulated Terminal Block

- **Fully Insulated Design:** Ensures safe, no exposed metal connections
- **Durable Construction:** Molded phenolic housing provides strength and heat resistance
- **Quick-Connect Terminals:** .250" × .031" male tabs for fast, reliable wiring
- **Terminal Styles:** Available in “U” or “Spade” configurations
- **UL Flame Rating:** UL 94 V-1 rated for flame retardancy
- **Clear Identification:** Optional terminal markings and circuit legends can be imprinted
- UL E61937 & CSA 2606851
  - Current: 25A
  - Voltage: 250V
  - Temperature Rating: 150°C

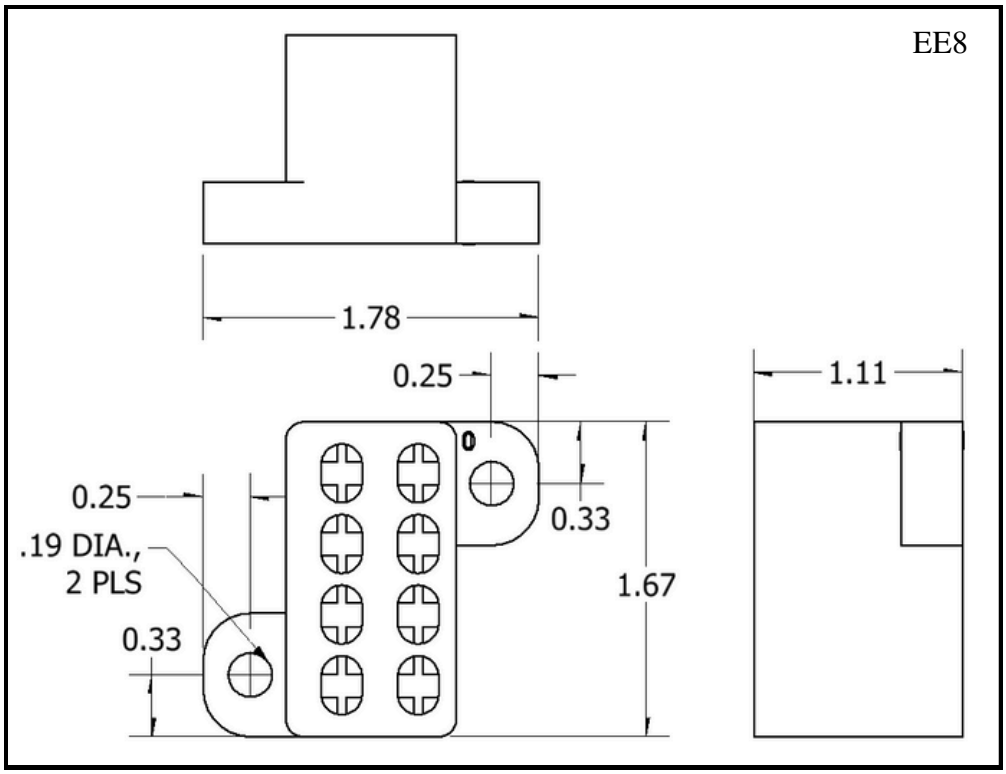


EE16



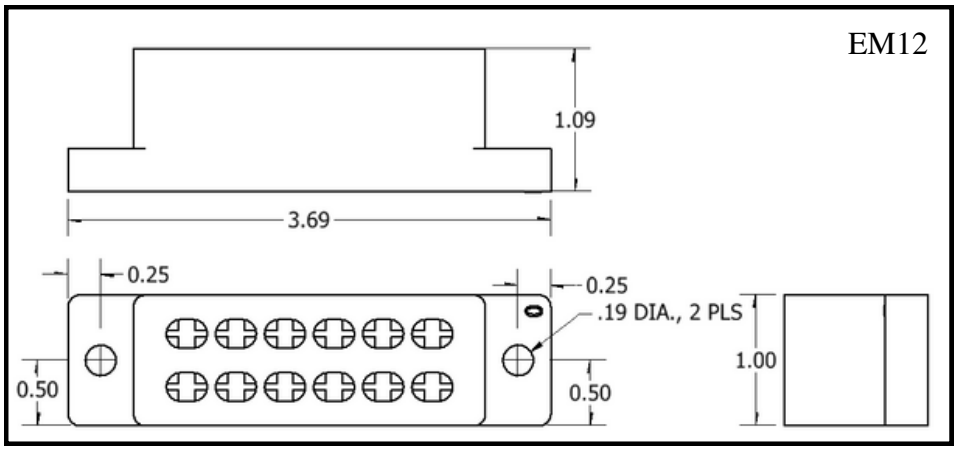
EE8

EE8 Block

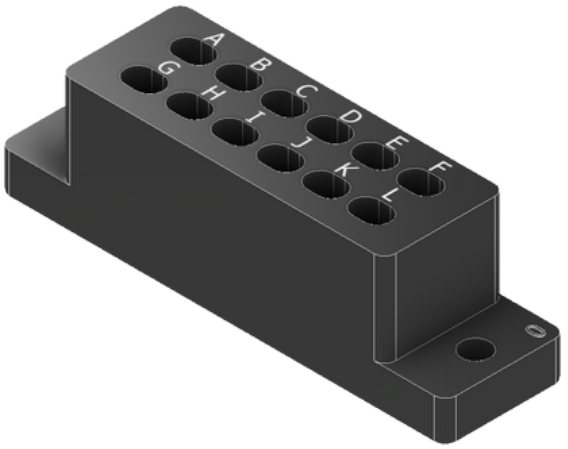


All dimensions are in inches

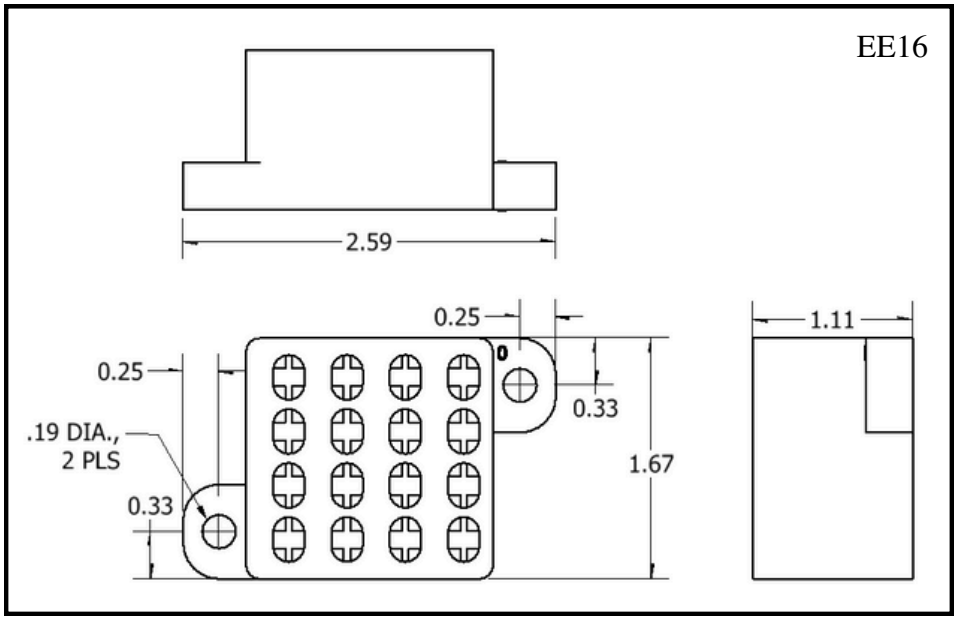
EM12 & EE16 Block



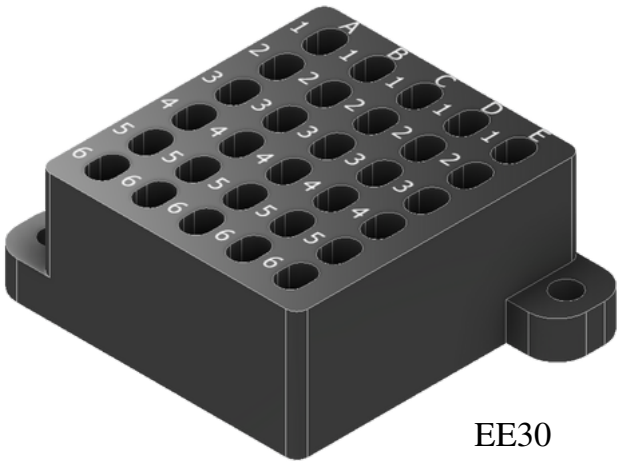
All dimensions are in inches



EM12

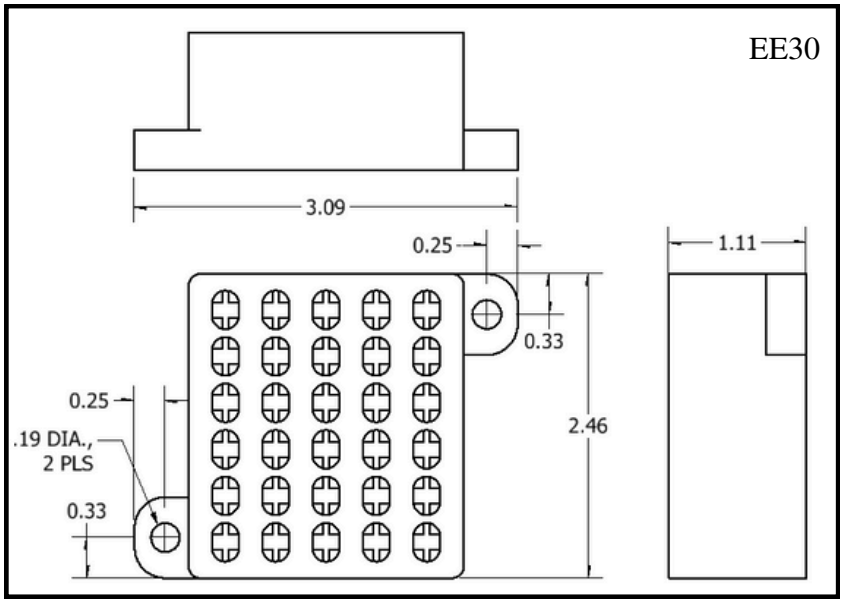


All dimensions are in inches



EE30

EE30 Block

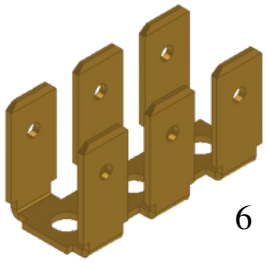


All dimensions are in inches

Design Your Own Block (EE8 & EM12)

- Using either the U or Spade Tab style, design your block using the options below.
- Notate which Tab style you are using
- If you are using multiple tab styles, note which style you want for each terminal

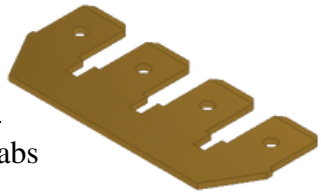
Tabs may be placed in any cardinal direction



6

U Style
2, 4, 6, 8, 10 and 12 Tabs

Spade Style
2,3,4,5 and 6 Tabs

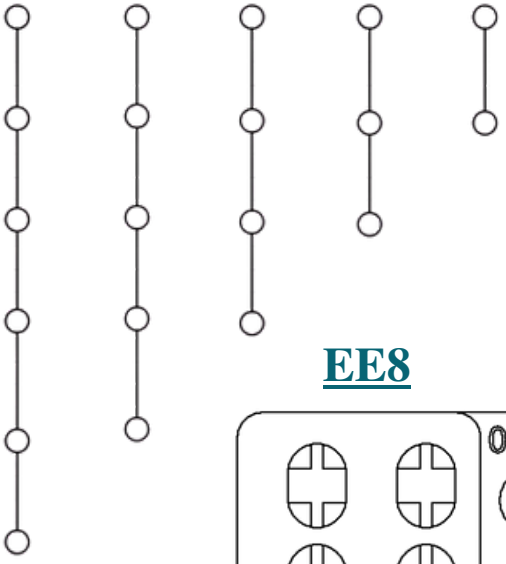


4

Notation

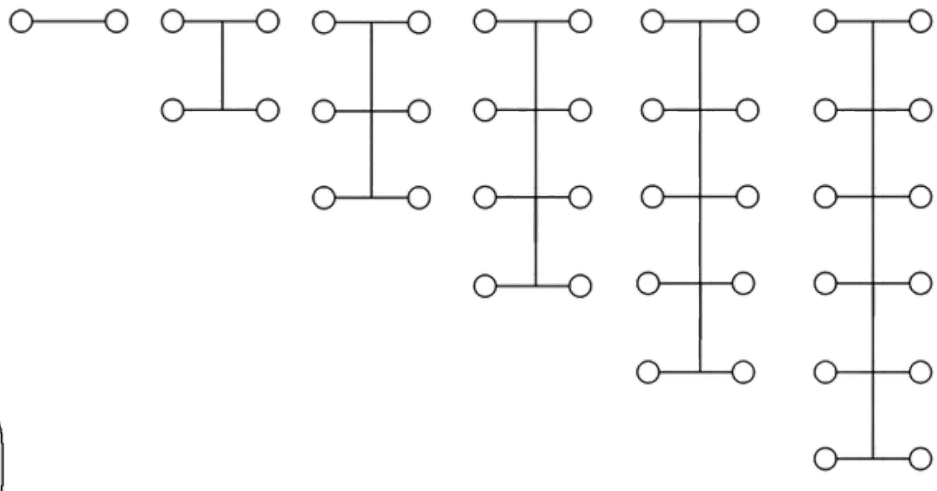
Spade Style

6 tabs **5 tabs** **4 tabs** **3 tabs** **2 tabs**

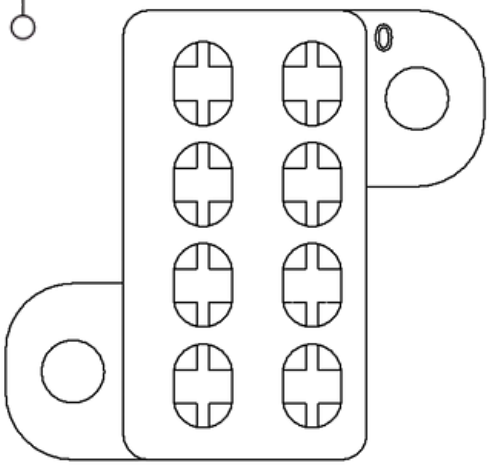


U Style

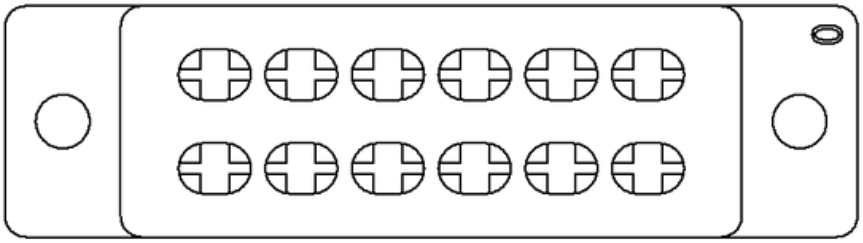
2 tabs **4 tabs** **6 tabs** **8 tabs** **10 tabs** **12 tabs**



EE8



EM12



Submit this completed here!

Design Your Own Block (EE16 & EE30)

- Using either the U or Spade Tab style, design your block using the options below.
- Notate which Tab style you are using
- If you are using multiple tab styles, note which style you want for each terminal

Tabs may be placed in any cardinal direction

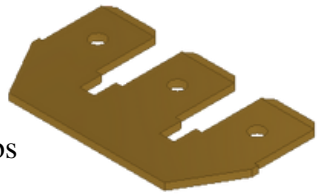
8

U Style

2, 4, 6, 8, 10 and 12 Tabs

Spade Style

2,3,4,5 and 6 Tabs

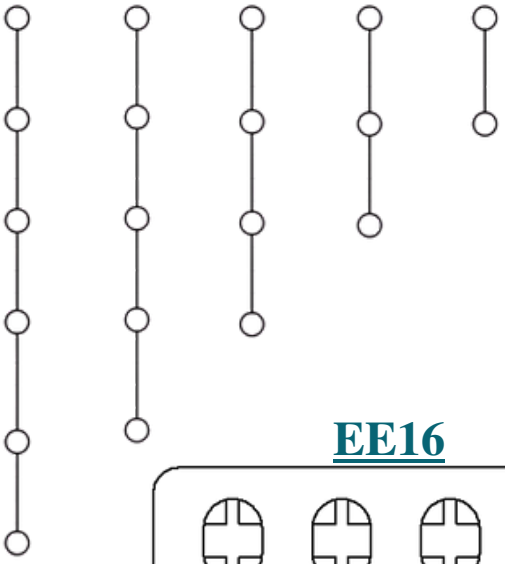


3

Notation

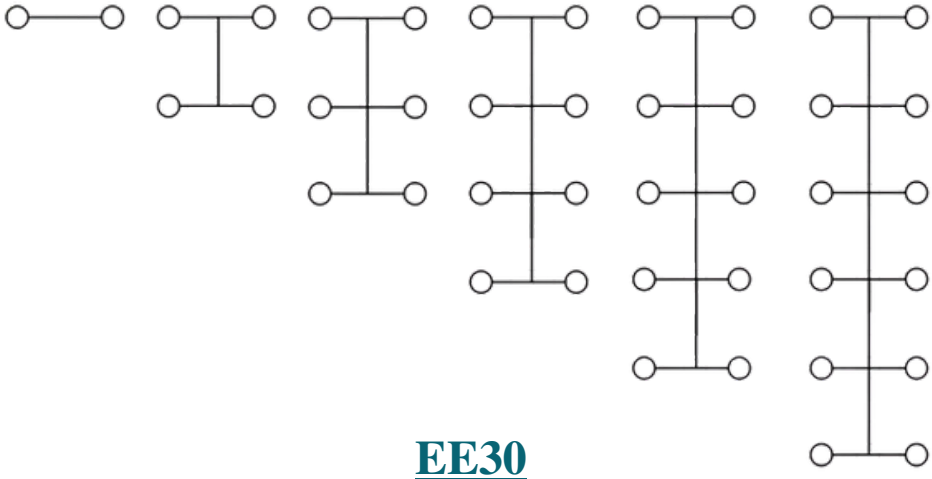
Spade Style

6 tabs **5 tabs** **4 tabs** **3 tabs** **2 tabs**

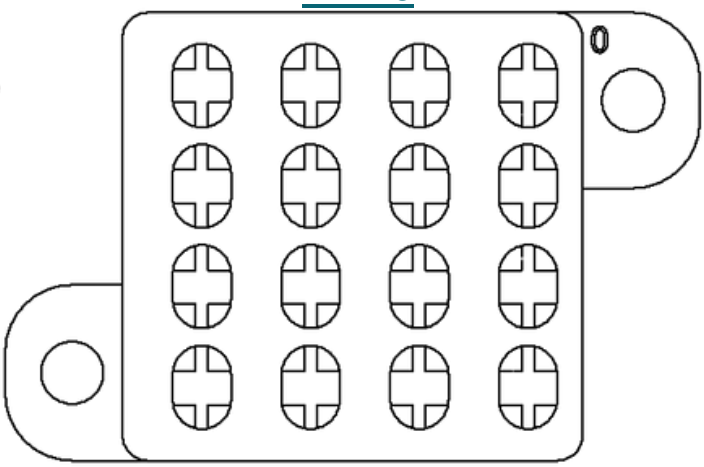


U Style

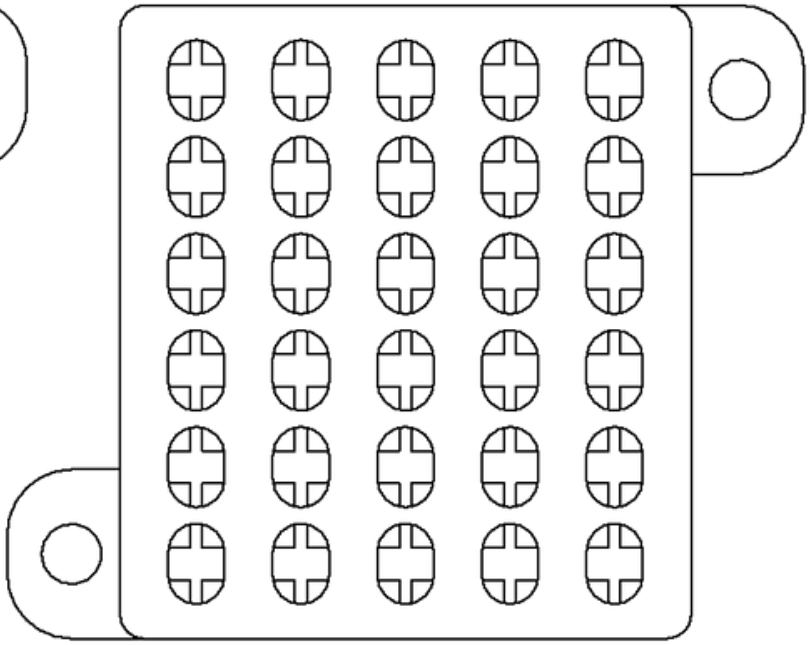
2 tabs **4 tabs** **6 tabs** **8 tabs** **10 tabs** **12 tabs**



EE16



EE30

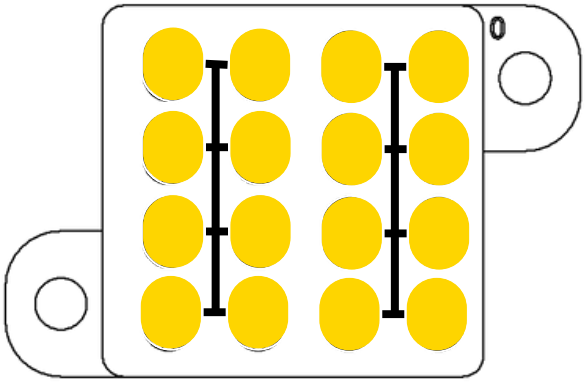


Submit this completed here!

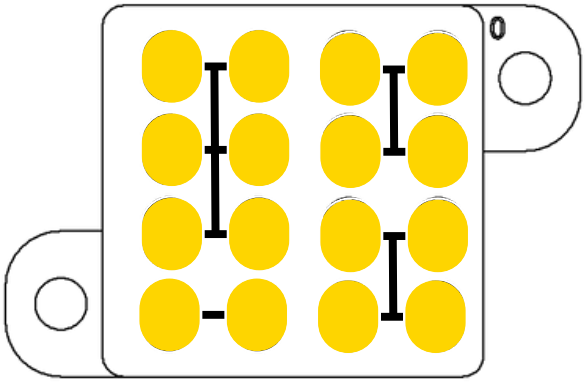
Spade Style Tab
U Style Tab

Popular Configurations

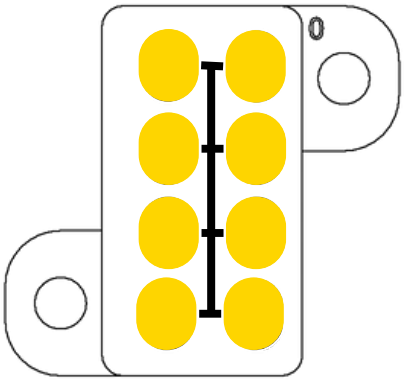
EE16-204



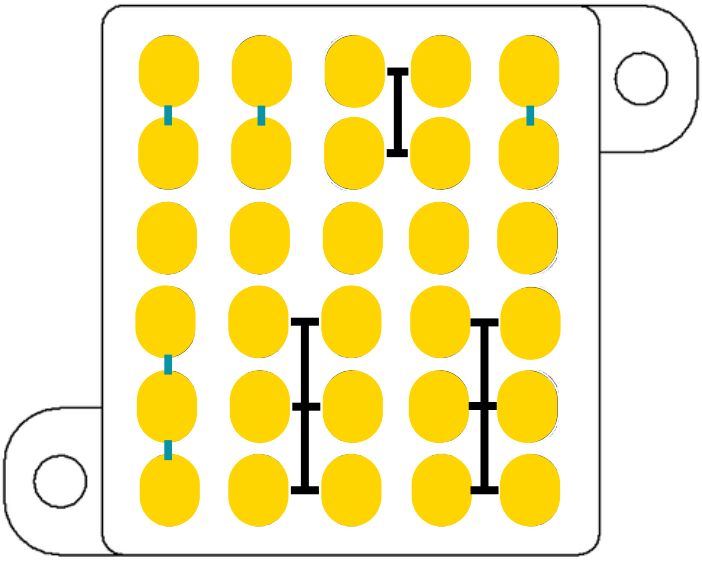
EE16-210



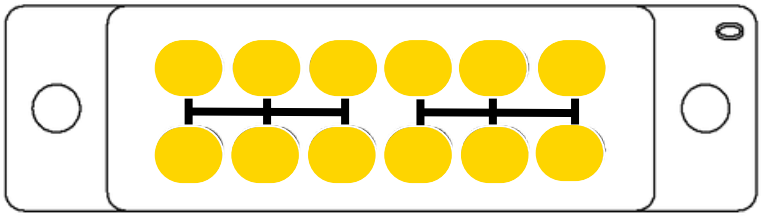
EE8-205



EE30-1



EM12-208



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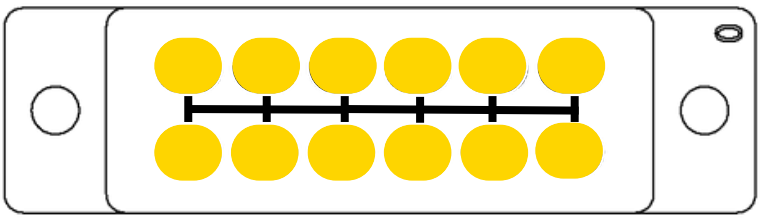


Insulated Terminal Block

IN STOCK

Ordering #: EE16-210

Fully Insulated Design: Engineered for applications requiring “no exposed metal” connections

Compact & Cost-Efficient: Saves space while providing secure internal junctions

Pole Options: Available in models with 2 to 15 poles, depending on series

Terminal Capacity: Supports from 2 to 30 terminals, with 2 to 12 common connections

Tab Configuration: Nearly endless arrangements of ¼" quick-connect tabs

Tab Specs: .031" x .250" male quick-connect tabs in “U” or “Spade” style

Durable Base Material: Molded electrical-grade phenolic, rated for 150°C

Certified Ratings: UL & CSA listed for 25A, 250V, 150°C continuous duty

Optional Markings: Terminal identification, circuit legends, and part numbers can be imprinted on the top or side

UL Flame Rating: UL 94 V-1 rated for flame retardancy

Appliance Ready: Ideal for ovens, dryers, HVAC, and other compact, high-performance appliance wiring needs

Series Range:

- EE8: Up to 4 poles, 8 terminals
- EM12: Up to 6 poles, 12 terminals
- EE16: Up to 8 poles, 16 terminals
- EE30: Up to 15 poles, 30 terminals

EE16-210 Specs

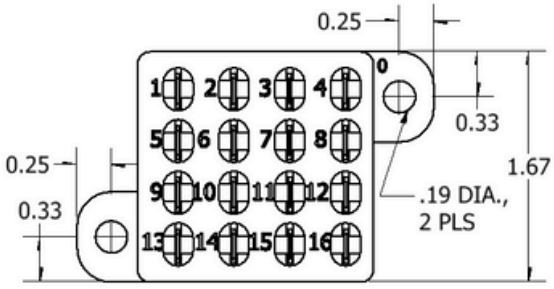
Current: 25A

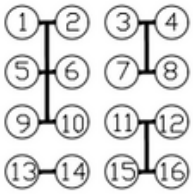
Voltage: 250V

Temperature Rating: 150°C

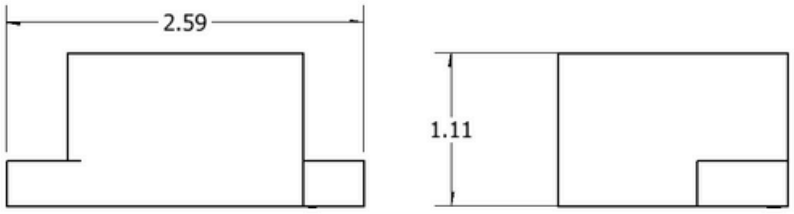
Terminals: U Tab (1 2 tab, 2 4 tab, 1 6 tab)

EE16-210





Schematic

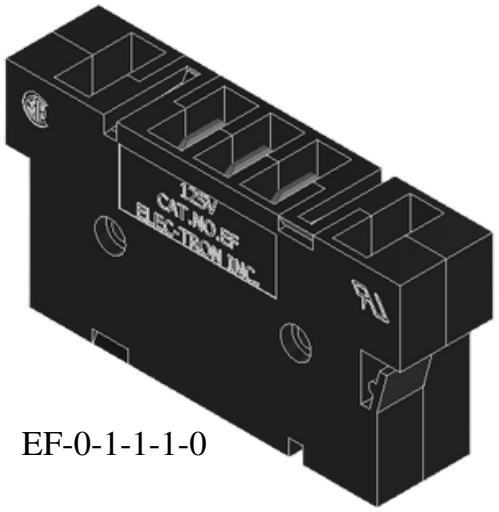


All dimensions are in inches

(316) 542-2993 https://electron.northparkgroup.com

Snap-in Insulated Terminal Blocks

- **Compact Snap-In Design:** Insulated terminal block available in 2- to 5-pole configurations
- **Through-Cabinet Wiring:** Engineered for reliable connections through cabinet walls
- **Secure Mounting:** Snaps firmly into cabinets up to 0.042" thick without tools

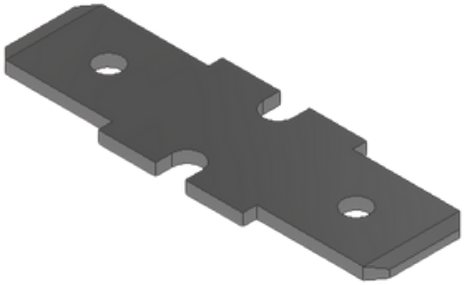


EF-0-1-1-1-0

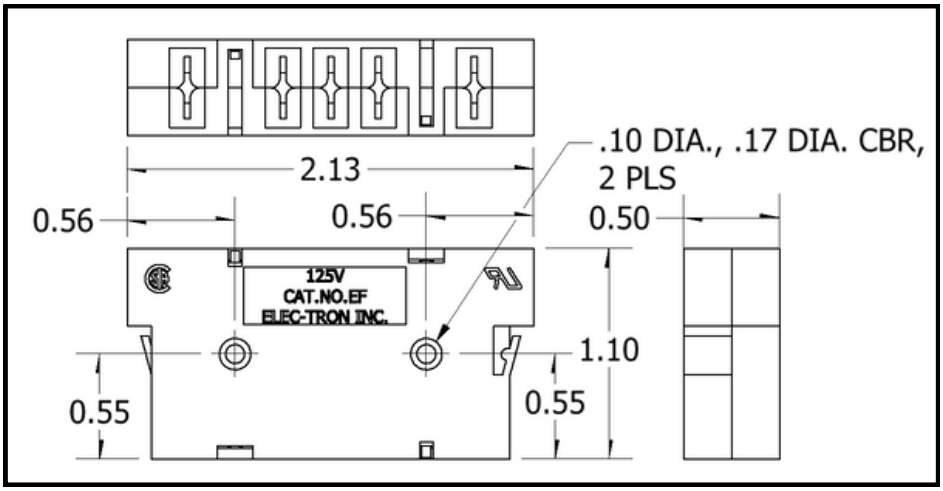
UL E61937

- Voltage: 250V
- Current: 20A
- Wire Range: #14-22 AWG Copper

2 Tab Quick Connect



EF Block



All dimensions are in inches

Part Ordering Information EF Block

EF - __ - __ - __ - __ - __

Terminal 1-5:
0 = empty terminal
1 = terminal with 2 tab quick connect

ELECTRON™

Contact us now to order!

Snap-in Insulated Terminal Block

Ordering #: EF-1-1-1-1-1

IN STOCK

Compact Snap-In Design: 2- to 5-pole insulated terminal block for through-cabinet wiring

Ideal Applications: Perfect for blower motor speed controls and similar through-cabinet connections

Amp & Voltage Ratings: Rated for 20 amps, at 125 volts

Durable Base Material: Molded from UL 94V-0 rated polypropylene for heat resistance

Secure Mounting: Snaps into cabinets up to 0.042" thick for easy installation

Polarity Assurance: Maintains polarity using different-sized quick-connect tabs

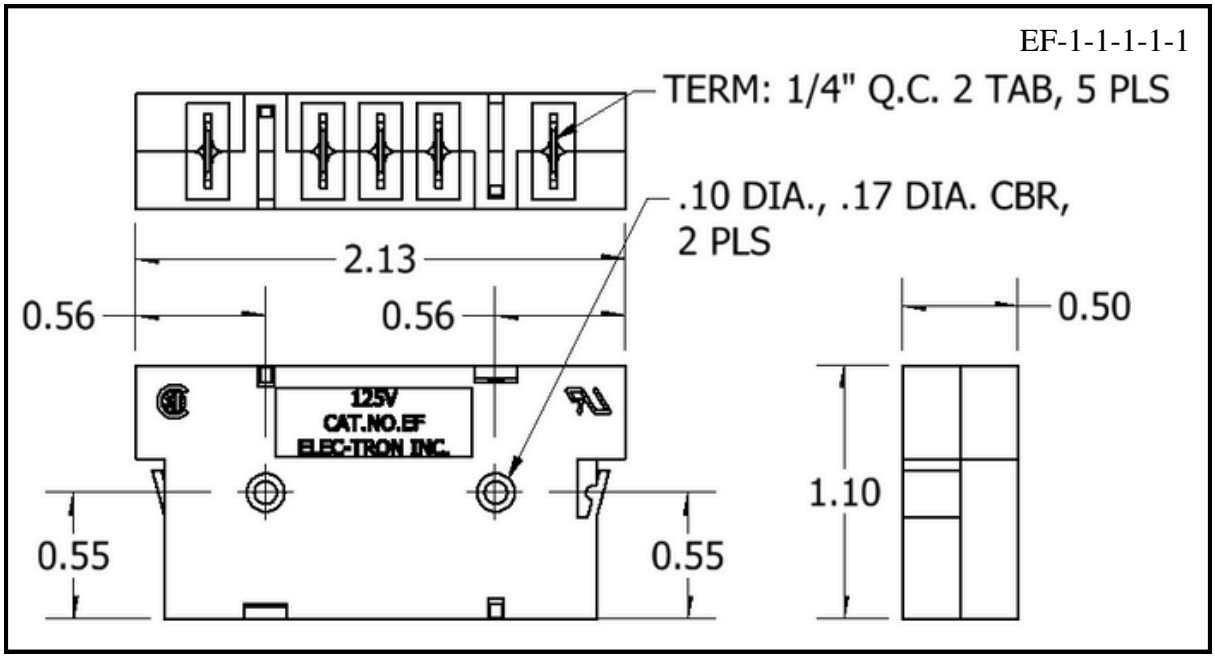
EF-1-1-1-1-1 Specs

Voltage: 250V

Current: 20A

Wire Range: #14-22 AWG

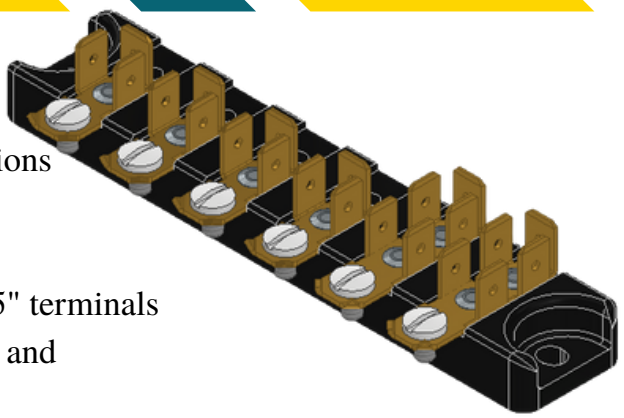
Wire Type: Copper



All dimensions are in inches

ET Series

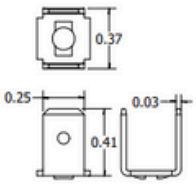
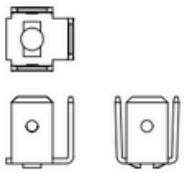
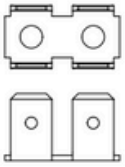
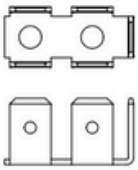
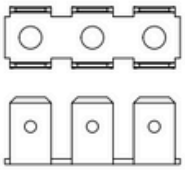
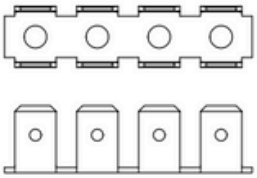
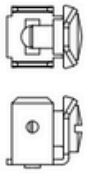
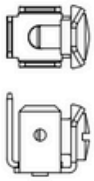
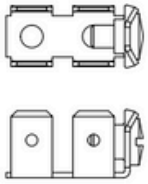
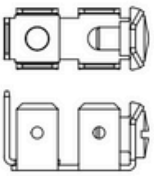
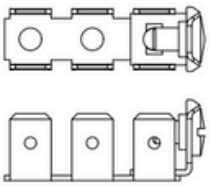
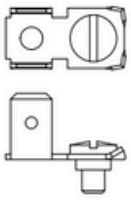
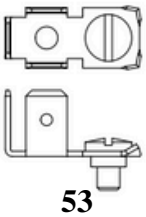
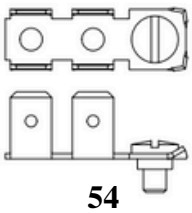
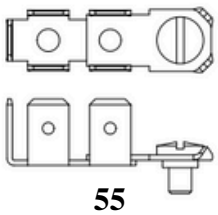
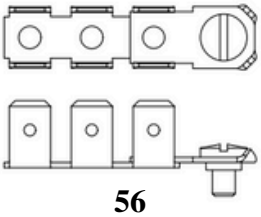
Low Voltage Terminal Blocks



ET-1-53-53-53-53-55-55

- **Multiple Block Sizes:** Available in 6-, 8-, and 10-pole configurations
- **Highly Configurable:** Choose from 16 different terminal styles
- **Standard Quick-Connect Tabs:** 0.032" x 0.250" male terminals
- **Alternate Tab Option:** Select styles offered with 0.032" x 0.1875" terminals
- **Durable Construction:** Molded phenolic base for heat resistance and structural strength
- UL E61937
  - Temperature Rating: 150°C
  - Current: 20A
  - Voltage: 150V

ET Series Styles

 **2**	 **3**	 **4**	 **5**
 **6**	 **8**	 **32**	 **33**
 **34**	 **35**	 **36**	 **52**
 **53**	 **54**	 **55**	 **56**

Part Ordering Information ET Block

If ALL pole combinations are identical, write X after the combination is listed

Pole:	1	2	3	4	5	6	7	8	9	10	
ET	- __	- __	- __	- __	- __	- __	- __	- __	- __	- __	__

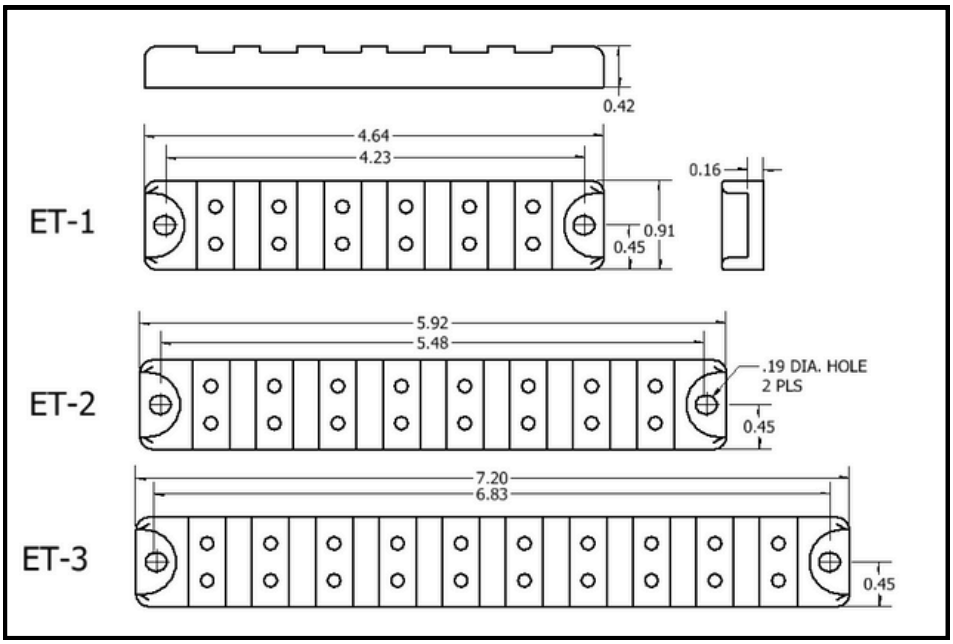
Number of Poles
1 = 6 poles
2 = 8 poles
3 = 10 poles

Tabs:	**Tabs:**
0 = no tabs	32 = 2 tabs + screw bent up
2 = 2 tabs	33 = 3 tabs + screw bent up
2* = 2 tabs (3/16")	34 = 4 tabs + screw bent up
3 = 3 tabs	35 = 5 tabs + screw bent up
4 = 4 tabs	36 = 6 tabs + screw bent up
4* = 4 tabs (3/16")	52 = 2 tabs + screw flat
5 = 5 tabs	53 = 3 tabs + screw flat
6 = 6 tabs	54 = 4 tabs + screw flat
6* = 6 tabs (3/16")	55 = 5 tabs + screw flat
8 = 8 tabs	56 = 6 tabs + screw flat

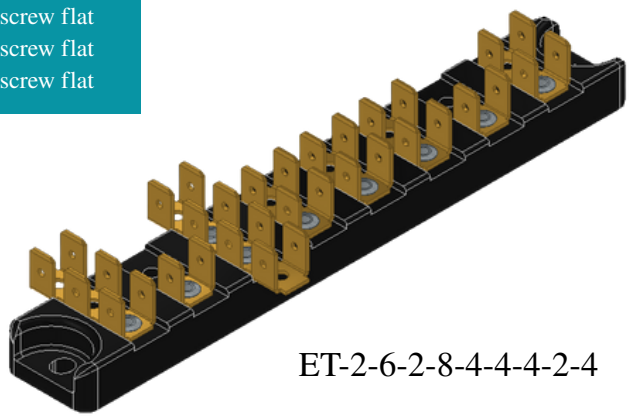
Plating
T = Tin Plated Brass
Blank = Unplated Brass

Note: Only need to fill in boxes for number of poles on block

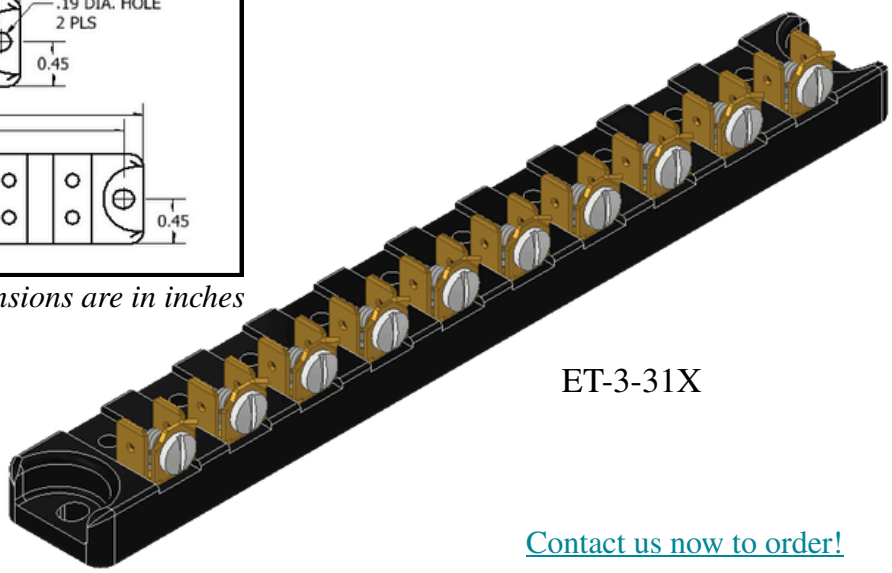
ET Block



All dimensions are in inches



ET-2-6-2-8-4-4-4-2-4



ET-3-31X

ET Series

Contact us now to order!

Low Voltage Terminal Blocks

Ordering #: ET-2-54X

IN STOCK

Customizable Multi-Pole Design: Three standard base sizes combined with 16 terminal styles allow tailored configurations at stock pricing

Highly Versatile: Ideal for internal wiring, field-to-factory connections, or as a thermometer strip in HVAC equipment

Flexible Terminal Options: Supports quick-connect tabs, binding screw terminals, or combinations of both

High Terminal Capacity: Each pole accommodates up to 8 quick-connect tabs, or 6 quick-connects plus one #8 screw terminal

Durable Construction: Molded from high-temp, electrical-grade phenolic rated to 150°C

Superior Electrical Spacing: Engineered molded design provides reliable spacing without requiring extra space

Cost-Effective Alternative: Offers 10–20% savings over conventional barrier strips or fabricated phenolic sheet boards

Clear Identification: Terminal legends can be printed on the front or top for maximum visibility during installation

UL Rated: Listed for 150 volts and 150°C continuous duty

Secure Binding Screws: Standard #8-32 x 3/8” plated steel thread-forming screws resist vibration; plain brass screws optional

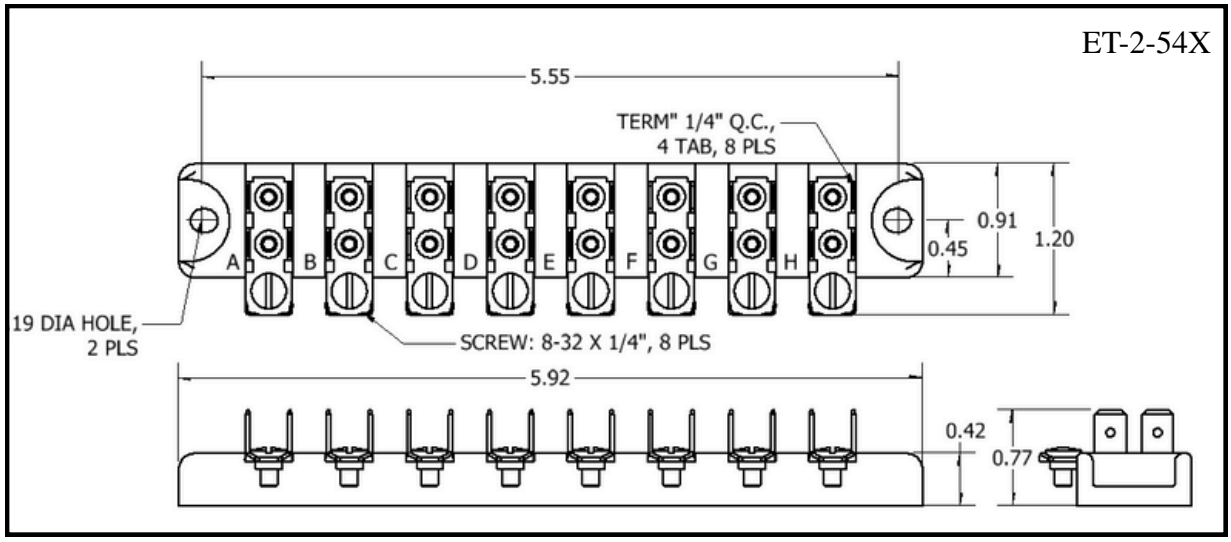
ET-2-54X Specs

Voltage: 150V

Current: 20A

Temperature Rating: 150°C

ET-2-54X



All dimensions are in inches

Insulating Gaskets

Corrosion-Resistant Seal

Elec-Tron's insulating gaskets provide a reliable and cost-effective solution to prevent flange corrosion by insulating against metal-to-metal contact and electrical current. Durable, non-conductive, and chemical-resistant, they help extend system life and reduce maintenance.

UL Recognized: E81893, E82624, E81928, E37920

Board Sizes & Materials

- **Materials**: Laminated Phenolic or Fiberglass
- **Sizing Guidelines**
  - High Volume (>1000 eau): max width at 14"
  - Low Volume (<1000 eau): max width at 21"
  - Thickness Options: 1/32", 1/16", 5/64", 3/32", 1/8"

Board Material Properties

Property	GPO-3 Fiberglass	XPC 115 Phenolic
Mechanical		
Tensile Strength (PSI)	8,000	15,200
Compressive Strength (PSI)	30,000	14,200
Flexural Strength (PSI)	18,000	20,800
Izod Impact Strength (ft. lb. / in.)	8.0	0.56
Specific Gravity	1.80	1.37
Water Absorption (%)	0.40	2.03
Temperature Index (°C)	150	130
Electrical		
Dielectric Strength (Vpm)	400	424+
Arc Resistance (seconds)	180	27
Comparative Track Index (V)	500+	160
Dissipation Factor, 1KHz	0.011	0.0486
Temperature Index(°C)	130	130
Flame Resistance		
UL-94	V-0	HB

Multi-Functional Board

Designed for Custom Applications

Elec-Tron's multi-functional boards are engineered to meet a wide range of electrical needs, with customized designs that support noise suppression and component integration—tailored to your specific requirements.

UL Recognized: E81893, E82624, E81928, E37920

Board Sizes & Materials

- **Materials**: Laminated Phenolic or Fiberglass
- **Sizing Guidelines**
  - High Volume (>1000 eau): max width at 14"
  - Low Volume (<1000 eau): max width at 21"
  - Thickness Options: 1/32", 1/16", 5/64", 3/32", 1/8"

Terminal Options

- Quick Connect Tabs
- Screw Terminals
- Solder Lugs

Available Board Components

- Custom Labeling & Logos
- Mounting Holes
- Snap-In Panel Fasteners
- Resistors
- Thermal Cutoffs
- Capacitors
- Chokes
- Diodes
- Varistors
- Fuse Panels

Board Material Properties

Property	GPO-3 Fiberglass	XPC 115 Phenolic
Mechanical		
Tensile Strength (PSI)	8,000	15,200
Compressive Strength (PSI)	30,000	14,200
Flexural Strength (PSI)	18,000	20,800
Izod Impact Strength (ft. lb. / in.)	8.0	0.56
Specific Gravity	1.80	1.37
Water Absorption (%)	0.40	2.03
Temperature Index (°C)	150	130
Electrical		
Dielectric Strength (Vpm)	400	424+
Arc Resistance (seconds)	180	27
Comparative Track Index (V)	500+	160
Dissipation Factor, 1KHz	0.011	0.0486
Temperature Index(°C)	130	130
Flame Resistance		
UL-94	V-0	HB

Guide to Building Your Custom Board

Step 1: Board Type, Size, and Thickness

What is your estimated annual quantity of boards?

Do you have length and width restrictions?

Thickness: 1/32" 1/16" 5/64" 3/32" 1/8"

Material Type: GPO-3 Fiberglass XPC-115 Phenolic

Length Restriction: ___

Width Restriction: ___

Step 2: Quick Connects, Screw Terminals, and Solder Lugs

Factory Wiring VS Field Wiring VS Both

Factory Wiring: How many poles? How many tabs per pole?

Field Wiring: What is your line-in wire size?

Quick Connect Options

Tab Sizes: 2, 3, 4, 5, 6, 8, 10, 12, 14, 16, 18

Tab Plating: Unplated, Tin Plated, Nickel Plated

Screw Terminal Options

Grounding & Mechanical Lugs: #1/0-14 AWG Range

2-, 3-, or 4-Hole Connector

Screws: Connects directly to tabs

Step 3: Extra Components

Would you like grounding availability?

Do you want to jump between poles?

Extra Component Options

Mounting Holes

Snap-In Panel Fasteners

Resistors

Thermal Cutoffs

Capacitor

Chokes

Diodes

Varistors

Fuse Panels

Step 4: Application

Refer to the chart on the next page to answer the following:

Application Class: A B C D

Voltage: 51-150V 151-300V 301-600V

Step 5: Labeling

Do you want labels to organize your poles?

Would you like your company logo on the board?

Step 6: Sketch your Board

Place the shapes onto the board below to sketch out your design. Include Labeling and Extra Components

= Screw Terminal (Field)

____ = Quick Connect (Factory)

**Include number of tabs*

***Orient the rectangle in the direction of the tabs*

Terminal Boards

Submit this Here!

UL1059 Recommended Spacing - Terminal Boards

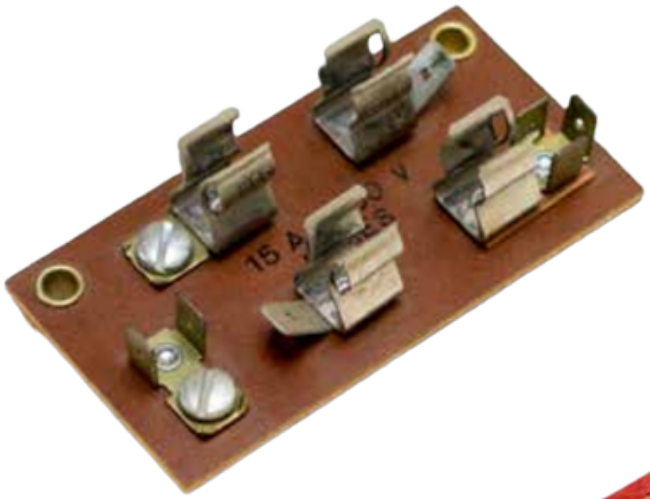
		Pole to Pole Spacing(in)	
Class	Voltage(V)	Through Air	Over Surface
A	51-150	0.500	0.750
	151-300	0.750	1.250
	301-600	1.000	2.000
B	51-150	0.063	0.063
	151-300	0.094	0.094
	301-600	0.375	0.500
C	51-150	0.125	0.250
	151-300	0.250	0.375
	301-600	0.375	0.500
D	51-300	0.063	0.125
	301-600	0.188	0.375

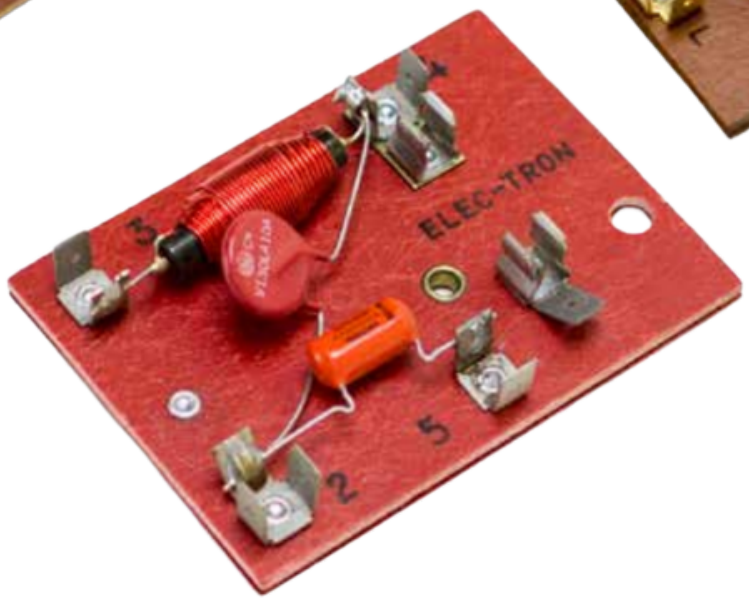
Class A: Service, including dead-front switch boards, panelboards, and service equipment

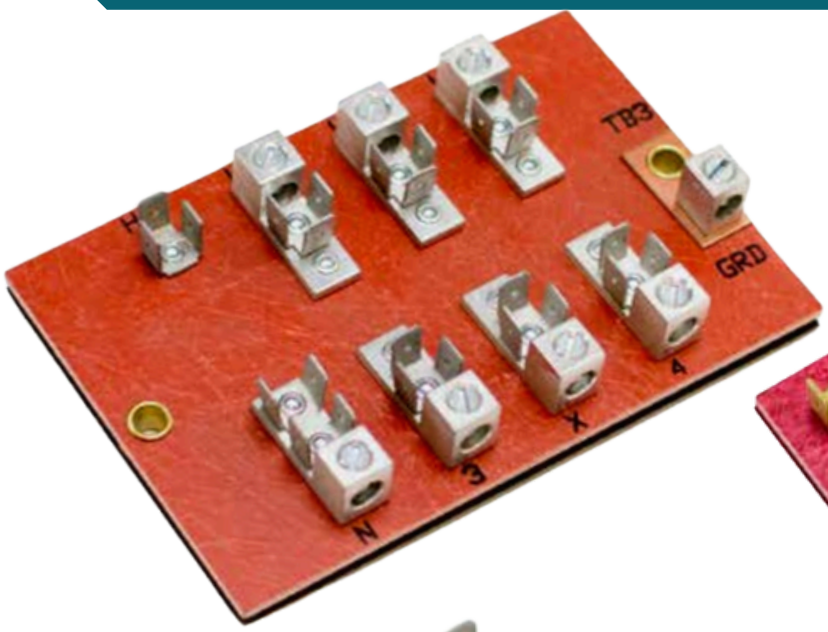
Class B: Commercial Appliances, including business equipment, electronic data processing equipment

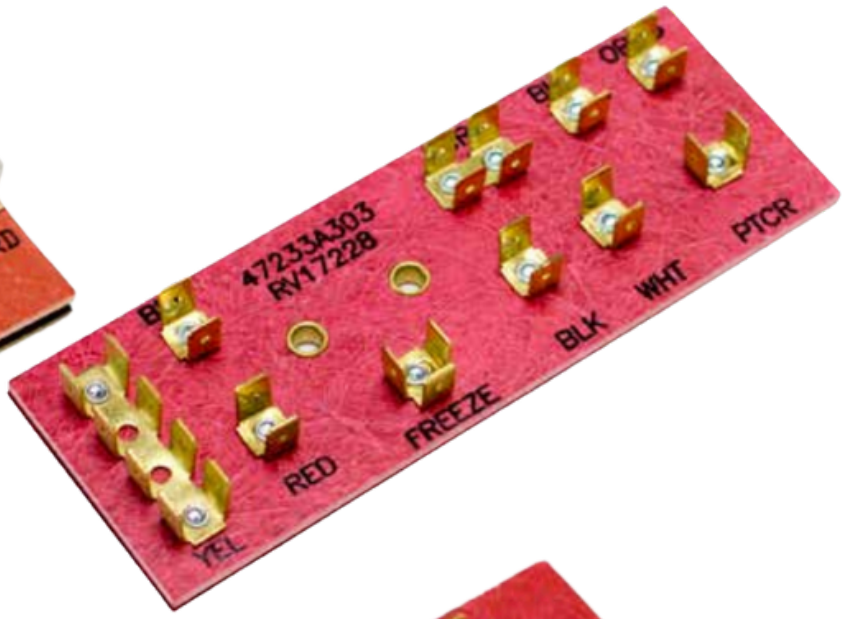
Class C: Industrial, General

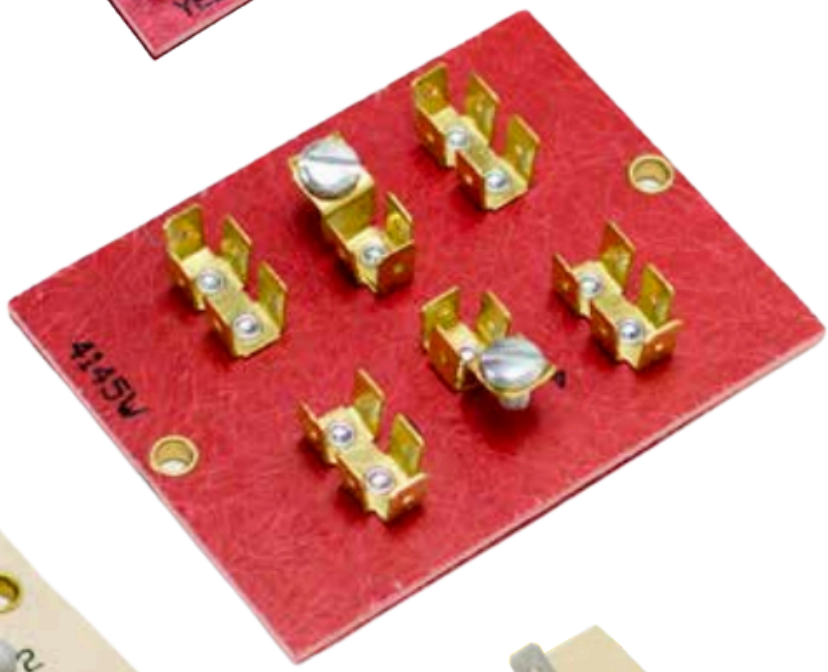
Class D: Industrial, devices having limited ratings

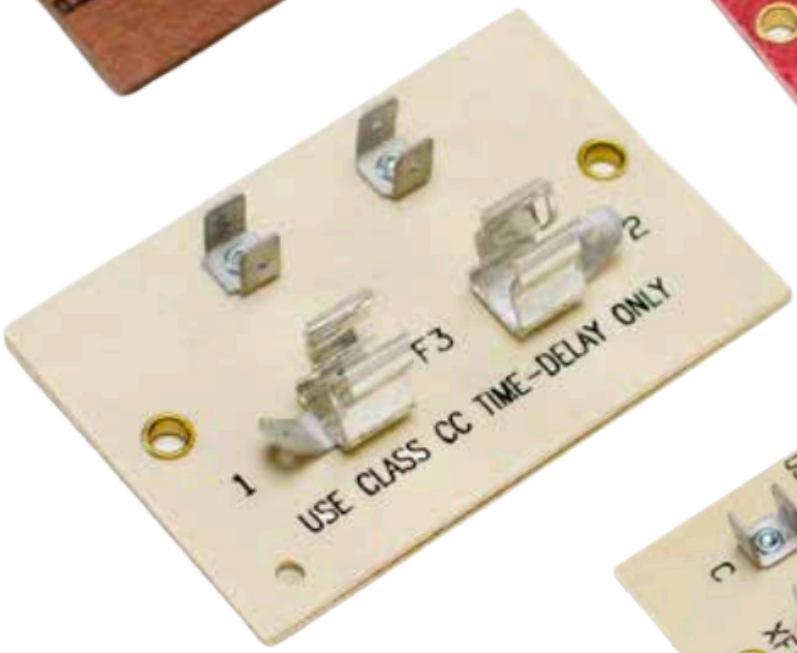


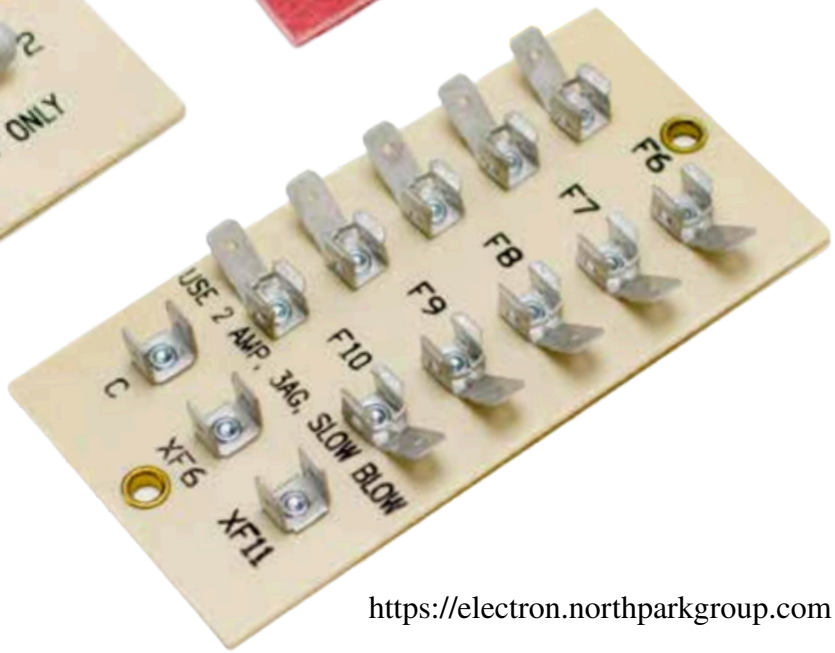












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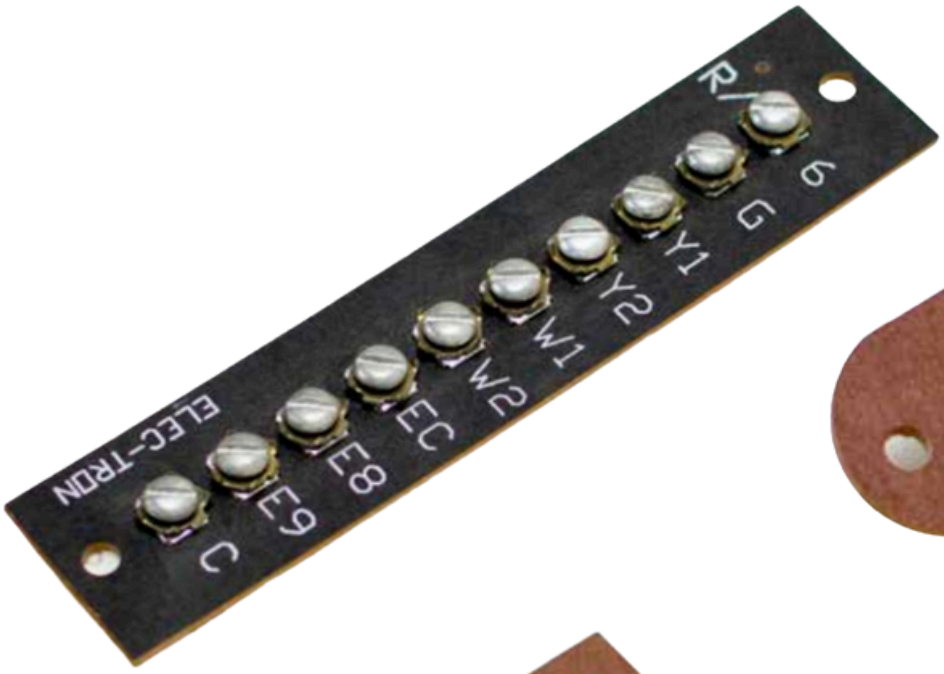

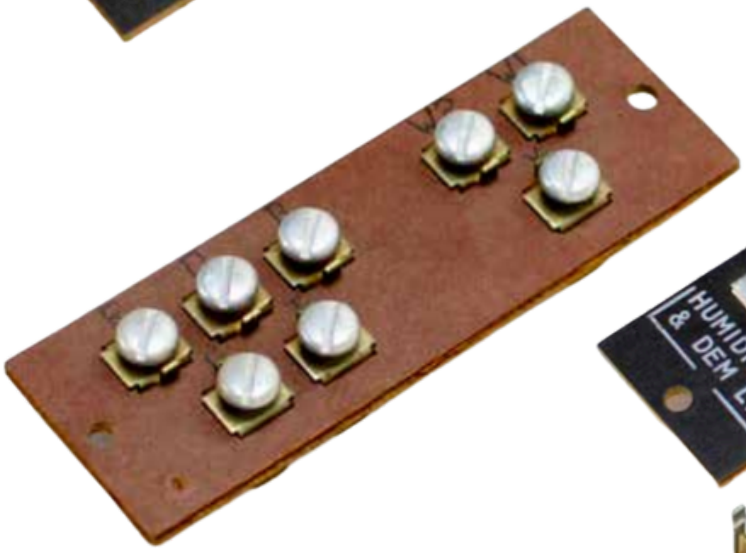

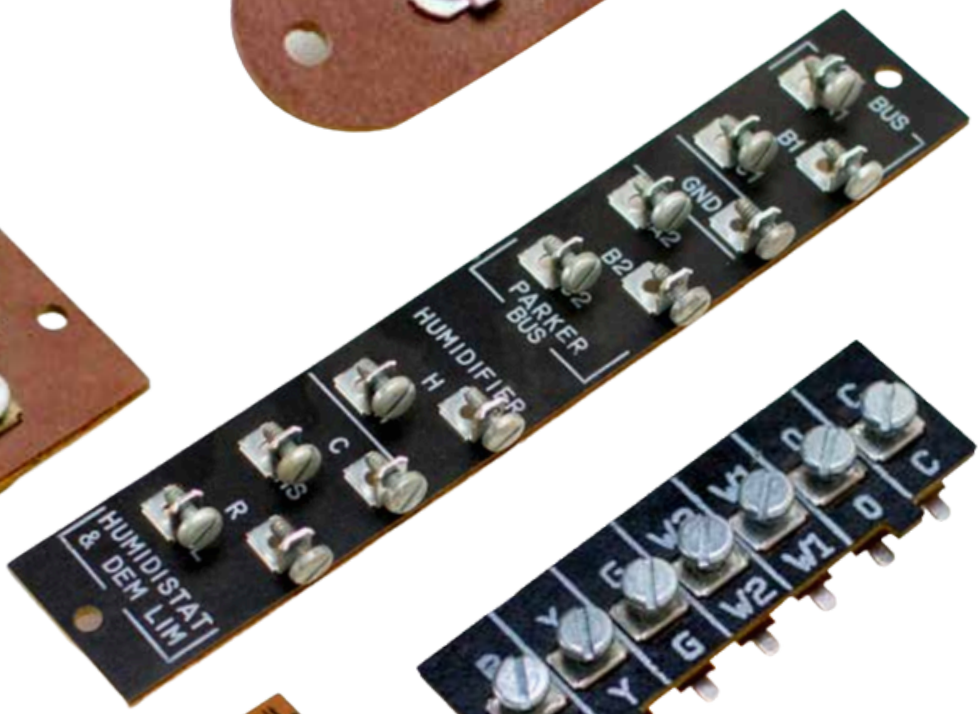

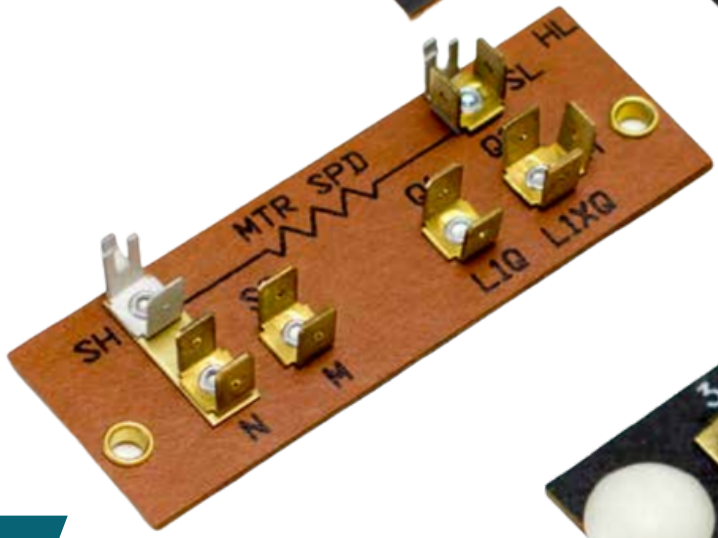

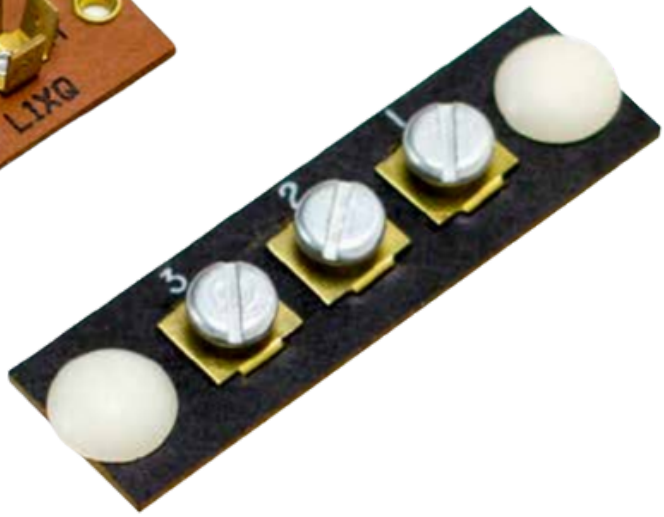

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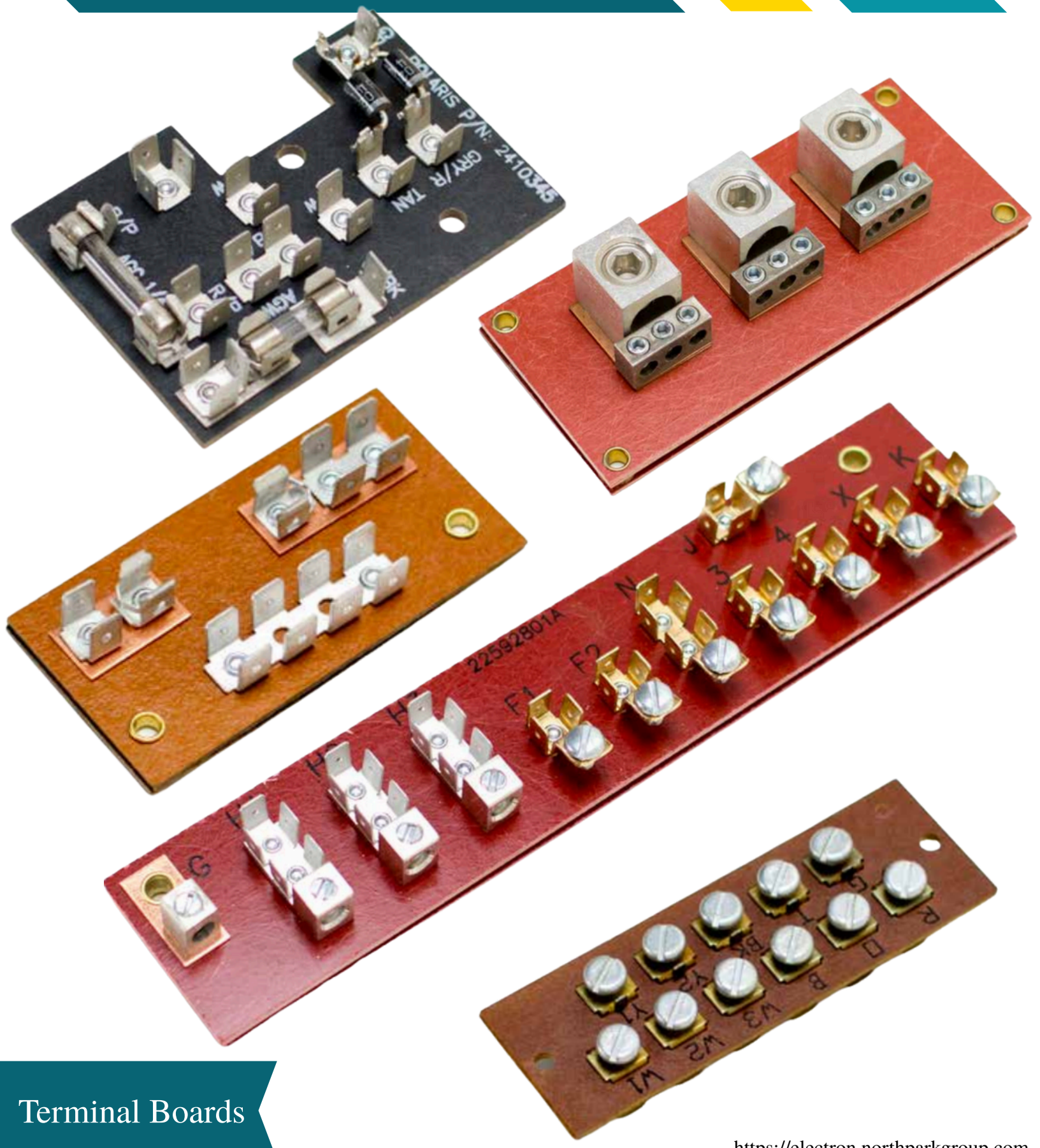

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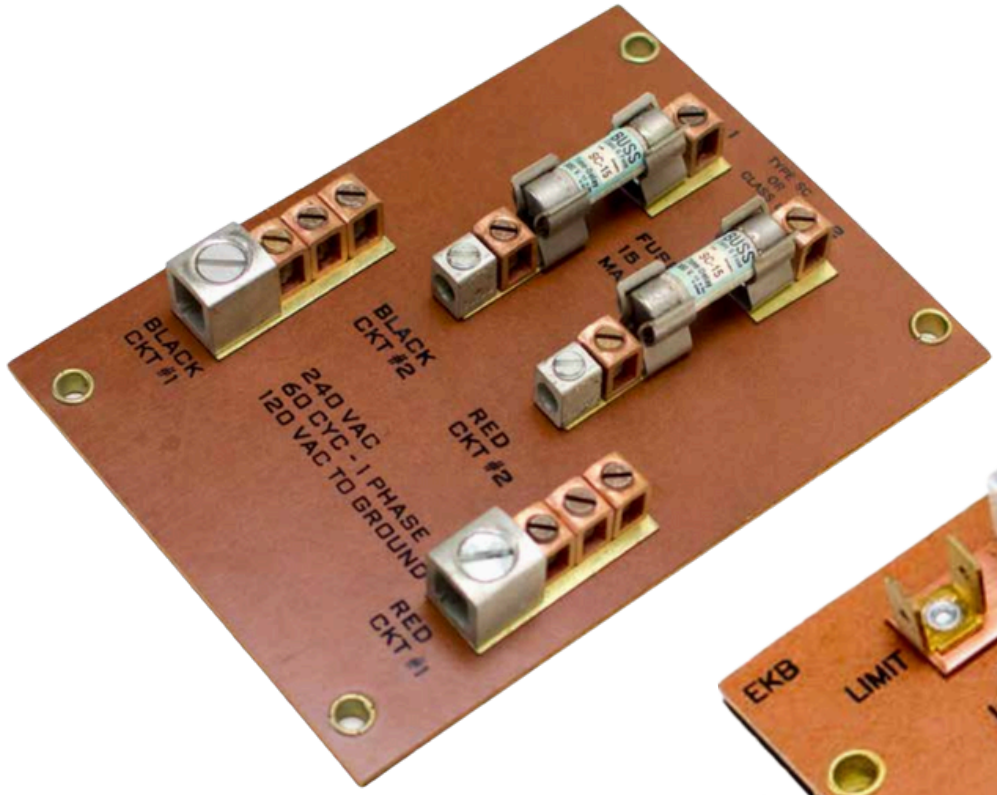

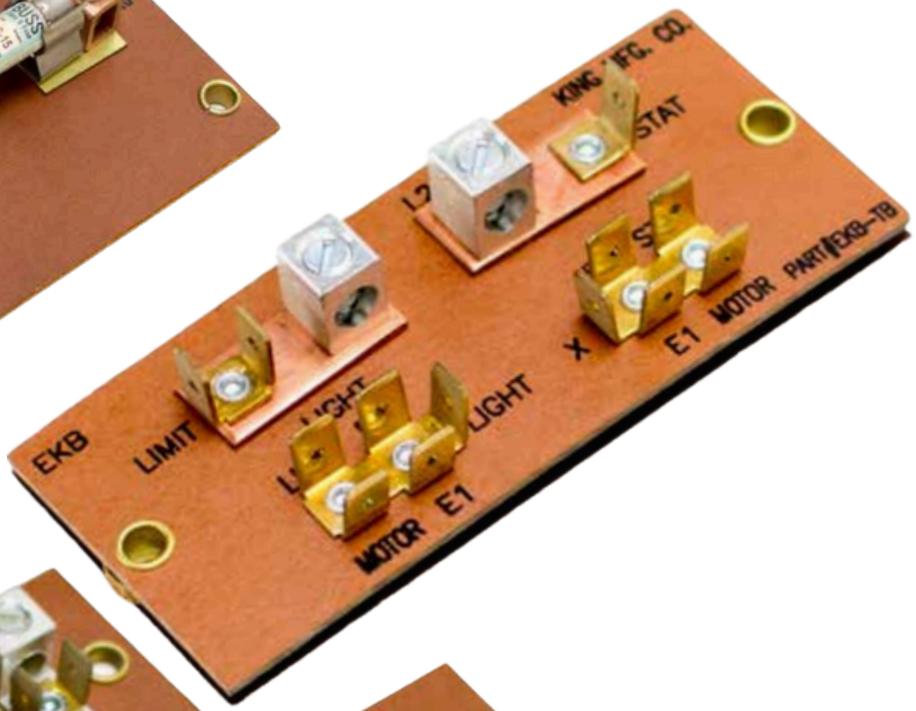

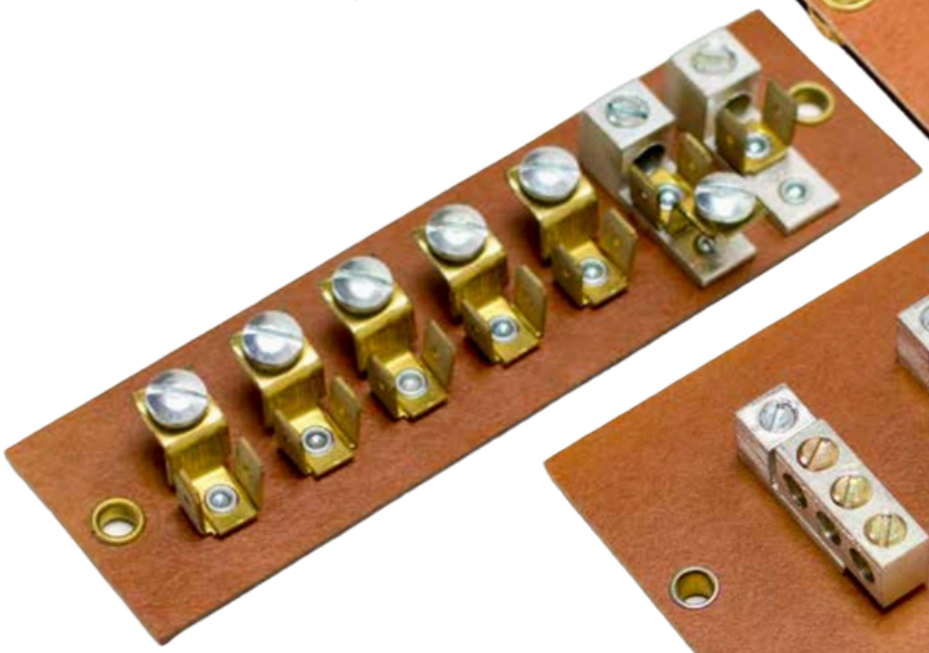

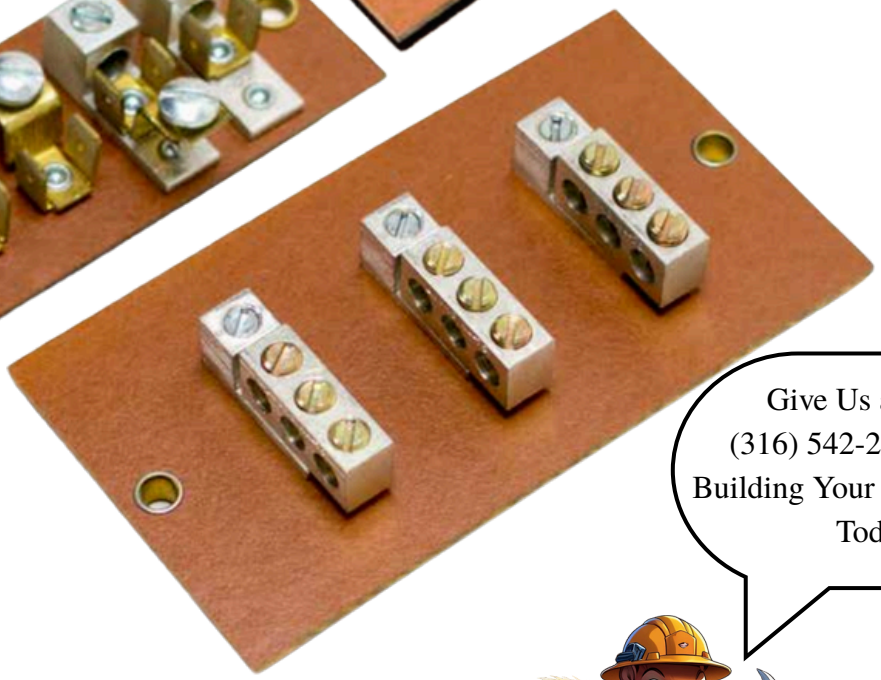

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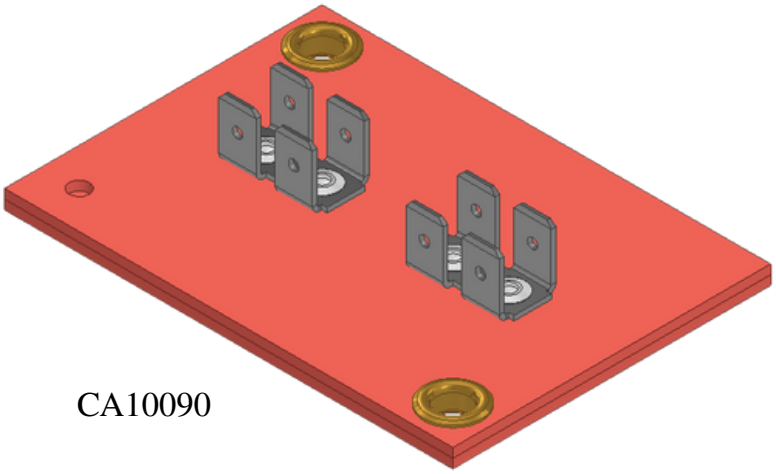
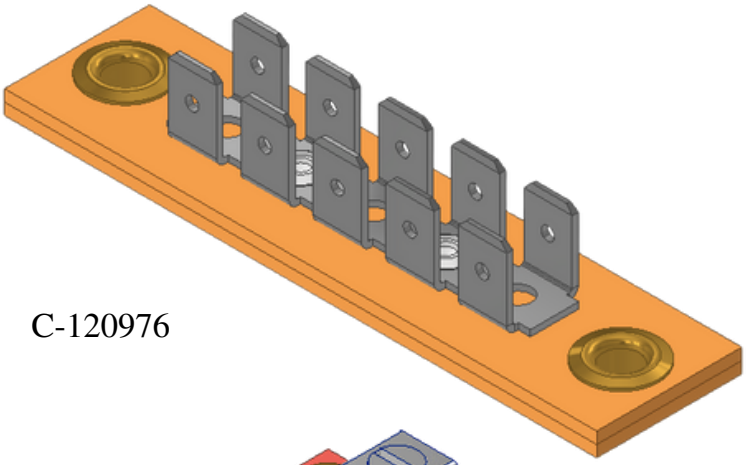


CA10090

CA10090 Specs

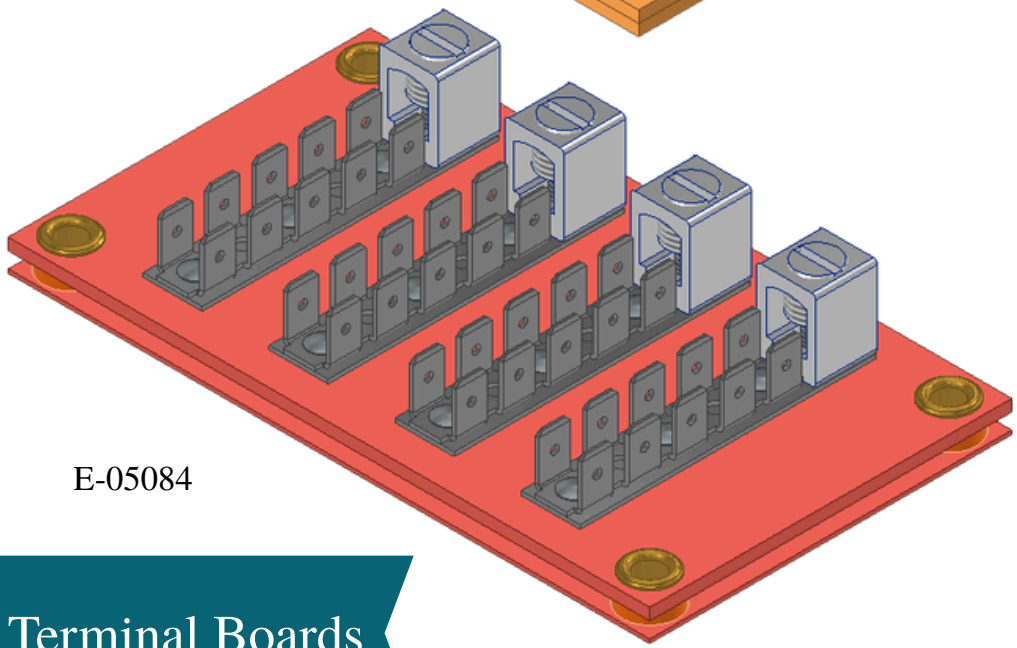
Board Size (L x W): 3in x 2.13in
Board Material: GPO-3 Fiberglass
Voltage: 600V
Current: 20A
Temperature Rating: 105°C



C-120976

C-120976 Specs

Board Size (L x W): 3.06in x 0.75in
Board Material: XPC-115 Phenolic
Voltage: 250V
Current: 20A
Temperature Rating: 130°C



E-05084

E-05084 Specs

Board Size (L x W): 5.09in x 2.88in
Board Material: GPO-3 Fiberglass
Voltage: 300V
Current: 100A
Wire Range: 2-6 Str.
Wire Type: Cu
Tightening Torque: 45-50 in.-lbs.
Temperature Rating: 90°C

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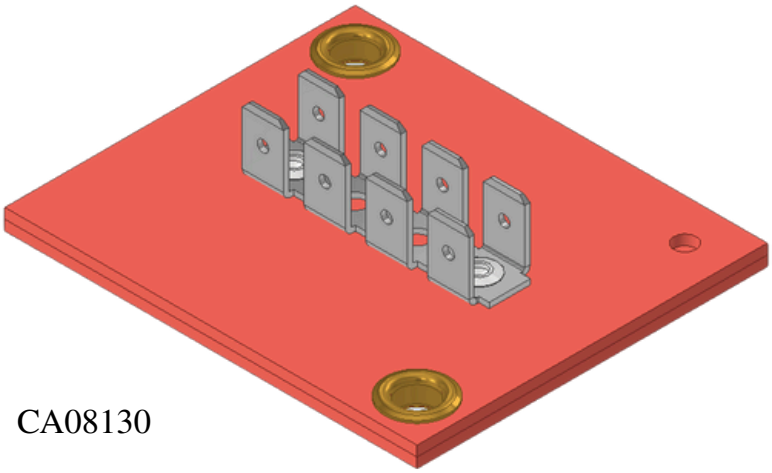
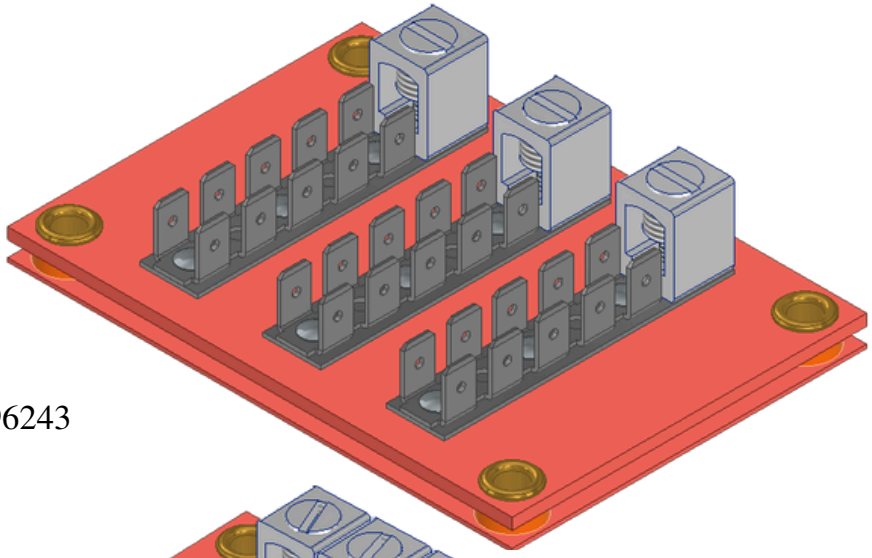


CA08130

CA08130 Specs

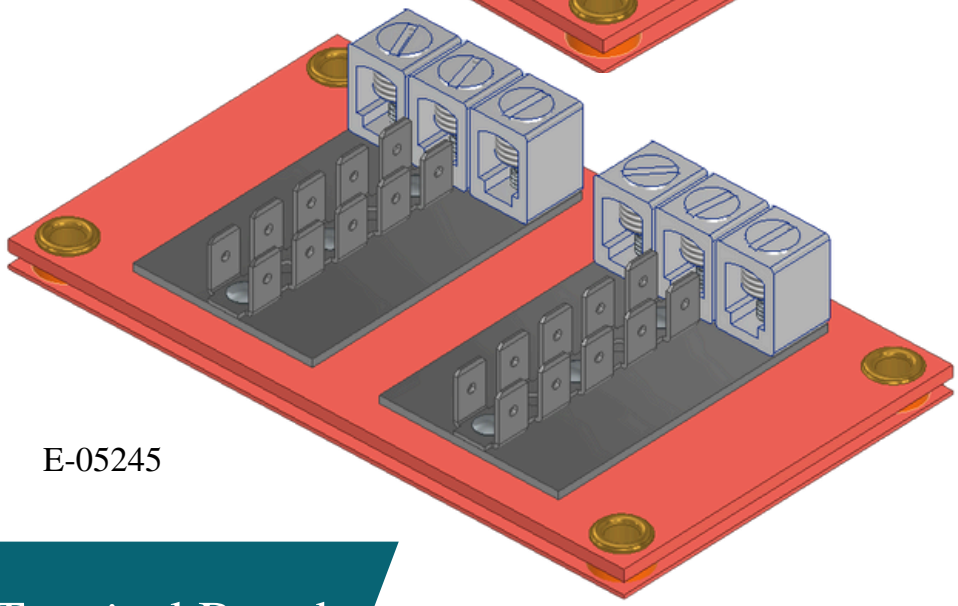
Board Size (L x W): 2.50in x 2.13in
Board Material: GPO-3 Fiberglass
Voltage: 600V
Current: 20A
Temperature Rating: 105°C



E-96243

E-96243 Specs

Board Size (L x W): 4.09in x 2.88in
Board Material: GPO-3 Fiberglass
Voltage: 300V
Current: 100A
Wire Range: 2-6 Str.
Wire Type: Cu
Tightening Torque: 45-50 in.-lbs.
Temperature Rating: 90°C



E-05245

E-05245 Specs

Board Size (L x W): 5in x 2.88in
Board Material: GPO-3 Fiberglass
Voltage: 300V
Current: 100A
Wire Range: 2-6 Str.
Wire Type: Cu
Tightening Torque: 45-50 in.-lbs.
Temperature Rating: 90°C

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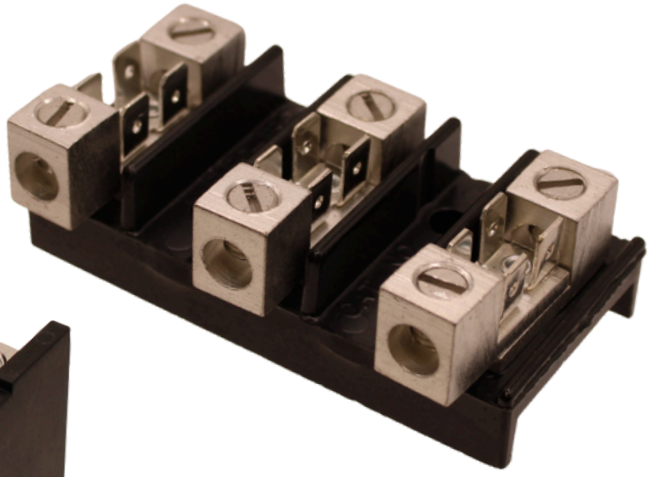

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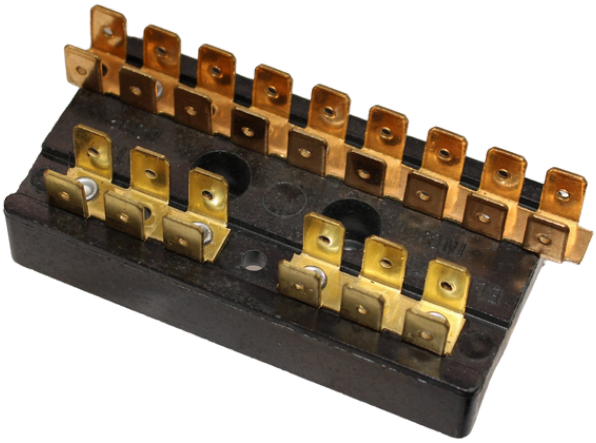

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