

# .438" PCB Barrier Terminal Strip, 600V

## Description

The series 63, PCB barrier terminal strip is our smallest product designed for service up to 600V. It is an economical, lower power alternative to our high power 66 series product.

The terminal block can be configured for maximum 12 AWG wire and up to 25 Amps.

Made in the USA, all Beau terminal blocks embody the highest quality standards in the industry-using the finest materials and world class manufacturing processes. They meet or exceed all applicable industry standards.

## Features

- **High voltage density**, the 63 series is our smallest 600V rated PCB barrier terminal strip.
- **Robust and durable**, 63 series screw terminals are ultrasonically welded into the thermoplastic insulator, eliminating terminal twisting and associated solder joint failure.
- **Wide variety of options**. Our broad range of screw, terminal, hardware and mounting options allows us to save you assembly costs and improve interconnect performance.



## PRODUCT RATINGS

### #6-32 BINDING HEAD SCREW

<b>UL</b>	Class B	15 Amps @ 600 V 14 AWG
	Class C	15 Amps @ 600 V 14 AWG
<b>CSA</b>	Class B	20 Amps @ 600 V 14 AWG
	Class C	20 Amps @ 600 V 14 AWG

### #6-32 WIRE CLAMP SCREW

<b>UL</b>	Class B	25 Amps @ 600 V 12 AWG
	Class C	25 Amps @ 600 V 12 AWG
<b>CSA</b>	Class B	25 Amps @ 600 V 12 AWG
	Class C	25 Amps @ 600 V 12 AWG

NOTE: 3.5M screws carry #6-32 screw ratings.

## TECHNICAL SPECIFICATIONS

### ELECTRICAL

DWV	10500 VDC
IR	>5000 Megohms

### MECHANICAL

Tightening torque	12 in-lbs.
Maximum torque	13 in-lbs.
Wire strip length	5/16"
Wire Range	12 to 24 AWG

### ENVIRONMENTAL

Continuous Use Temp	
RTI electrical	110°C
RTI mechanical w/o impact	110°C

## OPTIONS

-45	Slotted screw
-47	Screws up, wire ready
-45-56	Stainless steel screws, slotted
-49	Brass, phillips/slotted screw
-50	Clamp washer, phillips/slotted screw
-58	No screws, barrier only
-59	Screws supplied unassembled
-C	No mounting ends
-M	3.5 M screw, slotted
-V	130°C insulator

## AGENCY LISTINGS

<b>UL</b>	File No. E48521
	Guide No. XCFR2
<b>CSA</b>	File No. 025562

## MATERIALS

Insulator	Thermoplastic, UL94V-0, black
Terminal	Brass, tin-lead plate
Screws	#6-32, phillips/slotted, steel, zinc chromate plate

## HOW TO ORDER

<b>6</b>	<b>3</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
SERIES	TERMINAL STYLE	NO. OF POLES	OPTIONS			
	1 5	2 to 16	(Dash #s above and opposite page)			
	6 7					

\*Consult factory for combinations of screw options.

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TERMINAL STYLES



<p><b>STYLE 1</b> No PC Terminal</p>
<p><b>STYLE 5</b> PC</p> <p>Option X</p> <p>STD .15" (3,8)</p>
<p><b>STYLE 6</b> Solder Turret</p>
<p><b>STYLE 7</b> Wire Wrap</p> <p>STD .43" (10,9)</p> <p>-75 .705" (17,9)</p> <p>-81 .77" (19,6)</p>

No. of Circuits	A		B		C	
	in.	mm	in.	mm	in.	mm
2	1.71	43,5	1.31	33,4	1.02	25,9
3	2.15	54,6	1.75	44,5	1.46	37,1
4	2.59	65,7	2.19	55,6	1.90	48,3
5	3.02	76,8	2.62	66,7	2.32	59,4
6	3.46	88,0	3.06	77,8	2.77	70,4
7	3.90	99,1	3.50	88,9	3.21	81,5
8	4.34	110	3.94	100	3.65	92,7
9	4.77	121	4.37	111	4.09	104
10	5.21	132	4.81	122	4.52	115
11	5.65	144	5.25	133	4.96	126
12	6.09	155	5.69	144	5.40	137
13	6.52	166	6.12	156	5.84	148
14	6.96	177	6.56	167	6.27	159
15	7.40	188	7.00	178	6.71	170
16	7.84	199	7.44	189	7.15	182