

# .438" PCB Low Profile Barrier Terminal Strip

## Description

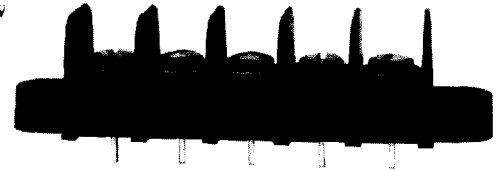
The series 74 PCB barrier terminal strip is the low profile version of our popular series 73 terminal block. The product series is available with the broad selection of screw, terminal and hardware options.

The .58" product height is very low when considering the maximum 30 Amp, 10 AWG wire rating.

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

- **Low profile** and rated for 30 Amps. The .58" high series 74 is our lowest profile product to accept a 10 AWG wire.
- **Robust and durable**, 74 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 @ 300 V | 14 AWG |
|            | Class C | 15 Amps @ 300 V | 14 AWG |
| <b>CSA</b> | Class B | 20 Amps @ 150 V | 14 AWG |
|            | Class D | 10 Amps @ 300 V | 14 AWG |

### #6-32 WIRE CLAMP SCREW

|            |         |                 |        |
|------------|---------|-----------------|--------|
| <b>UL</b>  | Class B | 20 Amps @ 300 V | 12 AWG |
|            | Class C | 20 Amps @ 300 V | 12 AWG |
| <b>CSA</b> | Class B | 20 Amps @ 150 V | 12 AWG |
|            | Class D | 10 Amps @ 300 V | 12 AWG |

### #8-32 WIRE CLAMP SCREW

|            |         |                 |        |
|------------|---------|-----------------|--------|
| <b>UL</b>  | Class B | 30 Amps @ 300 V | 10 AWG |
|            | Class C | 30 Amps @ 300 V | 10 AWG |
| <b>CSA</b> | Class B | 30 Amps @ 150 V | 10 AWG |
|            | Class D | 10 Amps @ 300 V | 10 AWG |

NOTE: 3.5M and 4.0M screws carry #6-32 and #8-32 screw ratings respectively.

## SAFETY AGENCIES

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

## TECHNICAL SPECIFICATIONS

### ELECTRICAL

|     |               |
|-----|---------------|
| DWV | 8500 VDC      |
| IR  | >5000 Megohms |

### MECHANICAL

|                   |              |
|-------------------|--------------|
| Tightening torque | 8 in.-lbs.   |
| Maximum torque    | 13 in.-lbs.  |
| Wire strip length | 5/16"        |
| Wire range        | 10 to 24 AWG |

### ENVIRONMENTAL

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

## MATERIALS

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

## OPTIONS

|        |                                      |
|--------|--------------------------------------|
| -45    | Slotted screw                        |
| -45-56 | Stainless steel screw, slotted       |
| -47    | Screws up, wire ready                |
| -49    | Brass, phillips/slotted screw        |
| -50    | Clamp washer, phillips/slotted screw |
| -58    | No screws, barrier only              |
| -59    | Screws supplied unassembled          |
| -A     | Oversize screws, #8-32, slotted      |
| -C     | No mounting ends                     |
| -F     | Rap-attach mounts                    |
| -M     | 3.5 M screw, slotted                 |
| -P     | .040" standoff pads                  |
| -V     | 130°C insulator                      |

## HOW TO ORDER

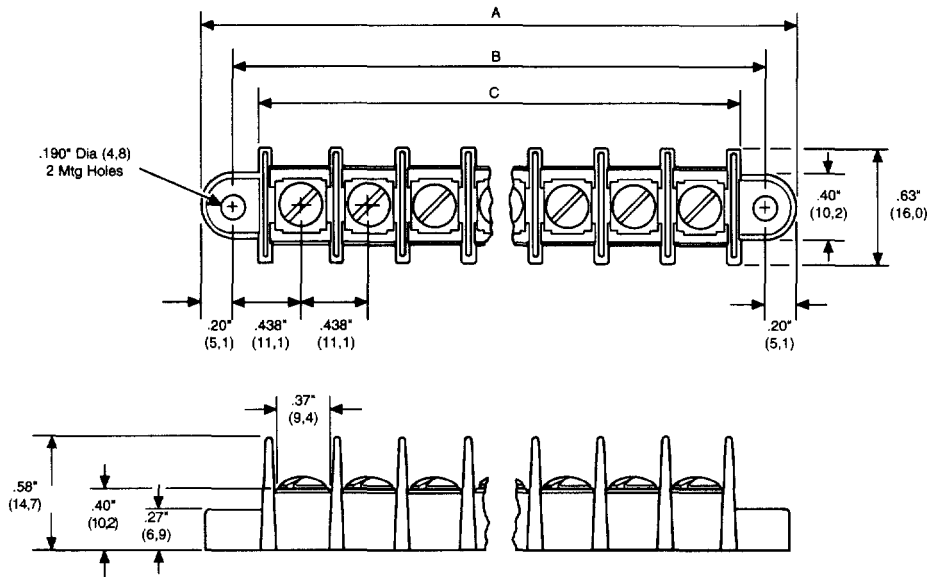
|        |                |              |                                    |   |   |
|--------|----------------|--------------|------------------------------------|---|---|
| 7      | 4              | X            | X                                  | X | X |
| SERIES | TERMINAL STYLE | NO. OF POLES | OPTIONS                            |   |   |
|        | 1 2 3          | 2 to 30      | (Dash #'s above and opposite page) |   |   |
|        | 5 6 7          |              |                                    |   |   |
|        | 8 9            |              |                                    |   |   |

\*Consult factory for combinations of screw options.

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TERMINAL STYLES



| No. of Circuits | A     |      | B     |      | C     |      |
|-----------------|-------|------|-------|------|-------|------|
|                 | in.   | mm   | in.   | mm   | in.   | mm   |
| 2               | 1.71  | 43,5 | 1.31  | 33,4 | .97   | 24,6 |
| 3               | 2.15  | 54,6 | 1.75  | 44,5 | 1.40  | 35,7 |
| 4               | 2.59  | 65,7 | 2.19  | 55,6 | 1.84  | 46,8 |
| 5               | 3.03  | 76,8 | 2.63  | 66,7 | 2.28  | 57,9 |
| 6               | 3.46  | 88,0 | 3.06  | 77,8 | 2.72  | 69,0 |
| 7               | 3.90  | 99,1 | 3.50  | 88,9 | 3.15  | 80,1 |
| 8               | 4.34  | 110  | 3.94  | 100  | 3.59  | 91,2 |
| 9               | 4.78  | 121  | 4.38  | 111  | 4.03  | 102  |
| 10              | 5.21  | 132  | 4.81  | 122  | 4.47  | 113  |
| 11              | 5.65  | 144  | 5.25  | 133  | 4.90  | 125  |
| 12              | 6.09  | 155  | 5.69  | 144  | 5.34  | 136  |
| 13              | 6.53  | 166  | 6.13  | 156  | 5.78  | 147  |
| 14              | 6.96  | 177  | 6.56  | 167  | 6.22  | 158  |
| 15              | 7.40  | 188  | 7.00  | 178  | 6.65  | 169  |
| 16              | 7.84  | 199  | 7.44  | 189  | 7.09  | 180  |
| 17              | 8.28  | 210  | 7.88  | 200  | 7.53  | 191  |
| 18              | 8.71  | 221  | 8.31  | 211  | 7.97  | 202  |
| 19              | 9.15  | 232  | 8.75  | 222  | 8.40  | 213  |
| 20              | 9.59  | 244  | 9.19  | 233  | 8.84  | 225  |
| 21              | 10.03 | 255  | 9.63  | 244  | 9.28  | 236  |
| 22              | 10.46 | 266  | 10.06 | 256  | 9.72  | 247  |
| 23              | 10.90 | 277  | 10.50 | 267  | 10.15 | 258  |
| 24              | 11.34 | 288  | 10.94 | 278  | 10.59 | 269  |
| 25              | 11.78 | 299  | 11.38 | 289  | 11.03 | 280  |
| 26              | 12.22 | 310  | 11.81 | 300  | 11.47 | 291  |
| 27              | 12.65 | 321  | 12.25 | 311  | 11.90 | 302  |
| 28              | 13.09 | 332  | 12.69 | 322  | 12.34 | 313  |
| 29              | 13.53 | 344  | 13.13 | 333  | 12.78 | 325  |
| 30              | 13.96 | 355  | 13.56 | 345  | 13.22 | 336  |

**STYLE 1**  
No PC  
Terminal

**STYLE 2**  
Insulated  
Solder  
Turret

**STYLE 3**  
Insulated  
PC

**STYLE 5**  
PC

Option X

**STYLE 6**  
Solder  
Turret

**STYLE 7**  
Wire Wrap

**STYLE 8**  
Right  
Angle PC

**STYLE 9**  
Insulated  
Quick  
Connect

Option X Y Z  
STD .250 .60 .35  
-110 .110 .60 .35  
-187 .187 .42 .17