

# Barrier Blocks

Series 142



### 0.563 Density, 8-32 x 5/16", Combination, BH Screw, Open Bottom, Double Row

- Interposing barriers between terminals yield higher electrical ratings and provide additional protection against frayed wire shorting.
- A wide variety of barrier blocks makes it possible to select the combination of mechanical and electrical characteristics that best meet the exact requirements of your application.
- Simplify wiring work by reducing splicing, preventing current leaks and short circuits, and increasing insulation.

#### Materials

|                       |                                                                   |                                   |
|-----------------------|-------------------------------------------------------------------|-----------------------------------|
| Insulation            | Molded monoblock, general purpose phenolic, black, UL Rated 94V-1 |                                   |
| Eyelets               | Material: Brass                                                   | Plating: Nickel                   |
| Screws                | Material: Steel                                                   | Plating: Nickel over copper flash |
| Solder Terminals      | Material: Brass                                                   | Plating: Electro-Tin              |
| Marker Strip Material | Nema Grade XPC, UL Rated 94V-O                                    |                                   |

#### Environmental

|                       |                                                        |
|-----------------------|--------------------------------------------------------|
| Operating Temperature | -55°F to +300°F                                        |
| Certifications        | UL Recognized-file E170218 (UL 1977), E130965 (UL1863) |

#### Electrical

|                            |                     |
|----------------------------|---------------------|
| Voltage Rating             | 250 VAC RMS maximum |
| Current Rating             | 30 Amps maximum     |
| Maximum Watts Per Terminal | 7500                |

#### Mechanical

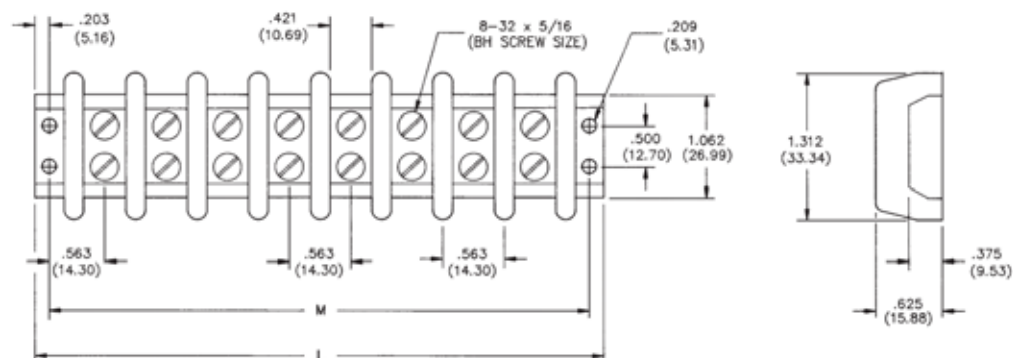
|                               |                            |
|-------------------------------|----------------------------|
| Maximum Wire Size             | #10 AWG                    |
| Recommended Tightening Torque | Screw 16 lb.-in. on eyelet |

#### Terminal Block Quick Reference

| Barrier Block Series | Center-to-Center Spacing | Number of Terminals | Number of Row(s) | Screw Size | Operating Voltage | Current Rating | Maximum Wire Size | Maximum Watts/ Terminal | Voltage Rating w/ Marker | V Voltage Rating w/o Marker | Marker Strip Mounting |
|----------------------|--------------------------|---------------------|------------------|------------|-------------------|----------------|-------------------|-------------------------|--------------------------|-----------------------------|-----------------------|
| 140                  | 0.375                    | 1-25                | Double           | 5-40       | 250 Volts         | 15 Amps        | #16               | 3750                    | 2000                     | 1100                        | Bottom                |
| 141                  | 0.438                    | 1-20                | Double           | 6-32       | 250 Volts         | 20 Amps        | #14               | 5000                    | 2400                     | 1100                        | Bottom                |
| 142                  | 0.563                    | 1-17                | Double           | 8-32       | 250 Volts         | 30 Amps        | #10               | 7500                    | 2600                     | 1600                        | Bottom                |

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## Ordering Information

| Number of Terminals | Catalog Number | "M" Dimension | "L" Dimension |
|---------------------|----------------|---------------|---------------|
| 1                   | 1-142          | 1.125         | 1.531         |
| 2                   | 2-142          | 1.687         | 2.094         |
| 3                   | 3-142          | 2.250         | 2.656         |
| 4                   | 4-142          | 2.812         | 3.219         |
| 5                   | 5-142          | 3.375         | 3.781         |
| 6                   | 6-142          | 3.937         | 4.344         |
| 7                   | 7-142          | 4.500         | 4.906         |
| 8                   | 8-142          | 5.062         | 5.468         |
| 9                   | 9-142          | 5.625         | 6.031         |
| 10                  | 10-142         | 6.187         | 6.594         |
| 11                  | 11-142         | 6.750         | 7.156         |
| 12                  | 12-142         | 7.312         | 7.719         |
| 13                  | 13-142         | 7.875         | 8.281         |
| 14                  | 14-142         | 8.437         | 8.844         |
| 15                  | 15-142         | 9.000         | 9.406         |
| 16                  | 16-142         | 9.562         | 9.969         |
| 17                  | 17-142         | 10.125        | 10.531        |

\*Marketed exclusively through distribution.

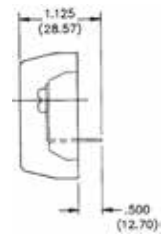


[belfuse.com/cinch](http://belfuse.com/cinch)

# Series 142 Barrier Blocks

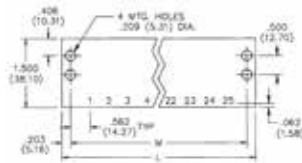
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## Solder Terminal Options

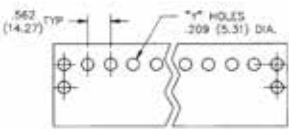


Y Terminals

## Marker Strips



Standard



Y Terminals

### Ordering Information

| Number of Terminals | Catalog Number |
|---------------------|----------------|
| 1                   | 1-142-Y        |
| 2                   | 2-142-Y        |
| 3                   | 3-142-Y        |
| 4                   | 4-142-Y        |
| 5                   | 5-142-Y        |
| 6                   | 6-142-Y        |
| 7                   | 7-142-Y        |
| 8                   | 8-142-Y        |
| 9                   | 9-142-Y        |
| 10                  | 10-142-Y       |
| 11                  | 11-142-Y       |
| 12                  | 12-142-Y       |
| 13                  | 13-142-Y       |
| 14                  | 14-142-Y       |
| 15                  | 15-142-Y       |
| 16                  | 16-142-Y       |
| 17                  | 17-142-Y       |

### Ordering Information

| Number of Terminals | Catalog Number | Catalog Number |
|---------------------|----------------|----------------|
| 1                   | MS-1-142       | MS-1-142-Y     |
| 2                   | MS-2-142       | MS-2-142-Y     |
| 3                   | MS-3-142       | MS-3-142-Y     |
| 4                   | MS-4-142       | MS-4-142-Y     |
| 5                   | MS-5-142       | MS-5-142-Y     |
| 6                   | MS-6-142       | MS-6-142-Y     |
| 7                   | MS-7-142       | MS-7-142-Y     |
| 8                   | MS-8-142       | MS-8-142-Y     |
| 9                   | MS-9-142       | MS-9-142-Y     |
| 10                  | MS-10-142      | MS-10-142-Y    |
| 11                  | MS-11-142      | MS-11-142-Y    |
| 12                  | MS-12-142      | MS-12-142-Y    |
| 13                  | MS-13-142      | MS-13-142-Y    |
| 14                  | MS-14-142      | MS-14-142-Y    |
| 15                  | MS-15-142      | MS-15-142-Y    |
| 16                  | MS-16-142      | MS-16-142-Y    |
| 17                  | MS-17-142      | MS-17-142-Y    |

### Solder Terminals can be ordered separately

| Terminal Type | Catalog Number |
|---------------|----------------|
| Y             | Y-142          |

### Accessories

- Jumpers
- Fanning Strips
- Quick Clamp

\*Marketed exclusively through distribution.



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