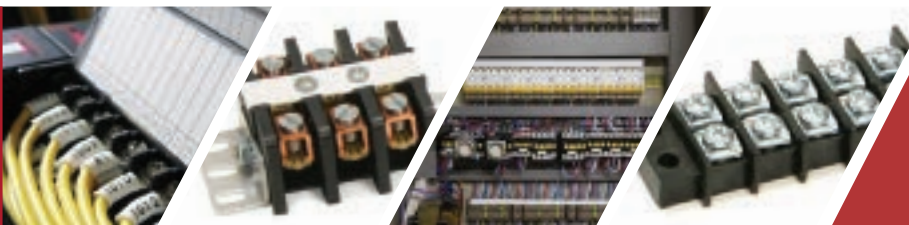


# Innovative Engineering Solutions



***Curtis Industries***  
A Div. of Powers Holdings, Inc.

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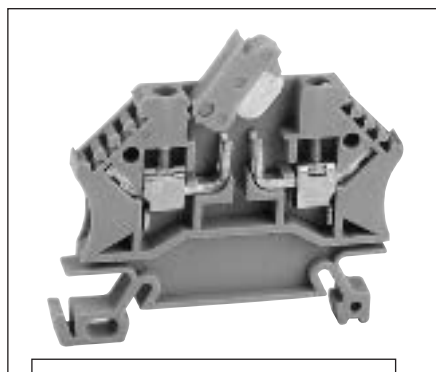
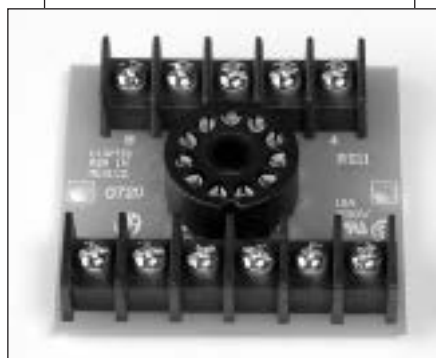
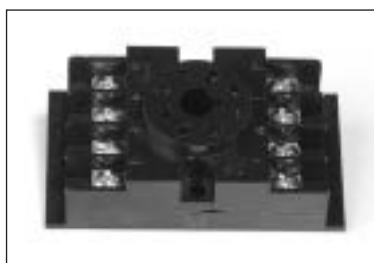
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# Curtis Industries Terminal Block Selection Guide

## Barrier Style

| Barrier Style   |                             |                        |                           | TERMINAL TYPES                 |           |                 |                              | RATING                                                     |                | HOUSING                             |                                 |                                       |              | AGENCY Approvals |               |                           |
|-----------------|-----------------------------|------------------------|---------------------------|--------------------------------|-----------|-----------------|------------------------------|------------------------------------------------------------|----------------|-------------------------------------|---------------------------------|---------------------------------------|--------------|------------------|---------------|---------------------------|
| Series/<br>Type | TERMINAL SPACINGS           |                        |                           | Feed-Thru<br>(Fully Insulated) | Feed Thru | Printed Circuit | Surface<br>(Fully Insulated) | Voltage (Varies<br>with Application)<br>see specifications | Current (Amps) | (Black) Phenolic<br>*150°C (302 °F) | Polyphenylene<br>*110°C (230°F) | Thermoplastic-Poly<br>*140°C (284 °F) | Flammability | UL Recognition   | CSA Certified | Catalog<br>Page<br>Number |
|                 | Center-to-Center<br>Spacing | Wire<br>Range<br>(AWG) | Number<br>of<br>Terminals |                                |           |                 |                              |                                                            |                |                                     |                                 |                                       |              |                  |               |                           |
|                 |                             |                        |                           |                                |           |                 |                              |                                                            |                |                                     |                                 |                                       |              |                  |               |                           |
| SE/SEI          | .250" (1/4")<br>(6.35mm)    | 22 to 16               | 1 thru 26                 | •                              | •         | •               | •                            | 250V                                                       | 5              |                                     | •                               |                                       | 94V-0        | •                | •             | 6                         |
| 32500           | .325" (8.25mm)              | 22 to 14               | 1 thru 26                 |                                | •         | •               | •                            | 300V                                                       | 15             |                                     | •                               |                                       | 94V-0        | •                | •             | 8                         |
| 37000/<br>38000 | .375" (3/8")<br>(9.52mm)    | 22 to 12               | 1 thru 26                 | •                              | •         | •               |                              | 300V                                                       | 20             |                                     | •                               |                                       | 94V-0        | •                | •             | 10                        |
| CB/CFT          | .375" (3/8")<br>(9.52mm)    | 22 to 12               | 1 thru 26                 | •                              | •         | •               | •                            | 600V                                                       | 20             |                                     |                                 | •                                     | 94V-0        | •                | •             | 16                        |
| 43000           | .4375" (7/16")<br>(11.11mm) | 22 to 12               | 1 thru 26                 | •                              | •         | •               | •                            | 600V                                                       | 30             |                                     | •                               |                                       | 94V-0        | •                | •             | 20                        |
| GFT/GB          | .4375" (7/16")<br>(11.11mm) | 22 to 12               | 1 thru 26                 | •                              | •         | •               | •                            | 600V                                                       | 20             | •                                   | •                               |                                       | 94V-0        | •                | •             | 24                        |
| 1500            | .375" (3/8")<br>(9.52mm)    | 22 to 10               | 1 thru 22                 |                                | •         | •               | •                            | 300V                                                       | 30             |                                     | •                               |                                       | 94V-0        | •                | •             | 28                        |
| 2000            | .4375" (7/16")<br>(11.11mm) | 22 to 10               | 1 thru 26                 |                                | •         | •               | •                            | 300V                                                       | 20             |                                     | •                               |                                       | 94V-0        | •                | •             | 30                        |
| M               | .50" (1/2")<br>(12.7mm)     | 22 to 12               | 1 thru 24                 |                                |           |                 | •                            | 300V                                                       | 15             | •                                   |                                 |                                       | 94V-1        | •                | •             | 34                        |
| 5600            | .563" (9/16")<br>(14.29mm)  | 22 to 8                | 1 thru 22                 |                                | •         |                 | •                            | 600V                                                       | 15-50          | •                                   |                                 |                                       | 94V-0        | •                | •             | 36                        |

## Barrier Style High Voltage

| Barrier Style High Voltage |                             |                                  |                           | MOUNTING METHOD |                                   | RATING  |                | HOUSING                            |                                      |                                     |              | AGENCY Approvals |               |                           |
|----------------------------|-----------------------------|----------------------------------|---------------------------|-----------------|-----------------------------------|---------|----------------|------------------------------------|--------------------------------------|-------------------------------------|--------------|------------------|---------------|---------------------------|
| Series/<br>Type            | TERMINAL SPACINGS           |                                  |                           | Surface         | Snap-in Track<br>Modular Assembly | Voltage | Current (Amps) | (Black) Phenolic<br>*150°C (302°F) | Thermoplastic-Poly<br>*130°C (266°F) | Polyamide (Nylon)<br>*125°C (257°F) | Flammability | UL Recognition   | CSA Certified | Catalog<br>Page<br>Number |
|                            | Center-to-Center<br>Spacing | Wire<br>Range<br>(AWG)           | Number<br>of<br>Terminals |                 |                                   |         |                |                                    |                                      |                                     |              |                  |               |                           |
| SW/<br>DSW                 | .375" (3/8")<br>(9.52mm)    | 22 to 8                          | 2 thru<br>192             |                 | •                                 | 600V    | 25-50          |                                    |                                      | •                                   | 94V-2        | •                | •             | 38                        |
| W                          | .4375" (7/16")<br>(11.11mm) | 22 to 4                          | 2 thru<br>164             |                 | •                                 | 600V    | 75             | •                                  |                                      |                                     | 94V-1        | •                | •             | 40                        |
| CDM                        | .547" (35/64")<br>(13.86mm) | 22 to 10                         | 1 thru<br>50              | •               |                                   | 600V    | 30             |                                    | •                                    |                                     | 94V-0        | •                | •             | 42                        |
| 71000                      | .629"<br>(15.97mm)          | 22 to 1                          | 2 thru<br>6               |                 | •                                 | 600V    | 86             |                                    | •                                    |                                     | 94V-0        | •                | •             | 44                        |
| H/BT                       | .652"<br>(16.56mm)          | H - 16 to 4<br>BT - 22 to 10     | 1 thru<br>30              | •               |                                   | 600V    | 75-30          |                                    | •                                    |                                     | 94V-0        | •                | •             | 46                        |
| T/U                        | 1.16"<br>(29.46mm)          | T - 6 to 1/0<br>U - 6 to 250 MCM | 1 thru<br>6               | •               |                                   | 600V    | 125-<br>250    | •                                  |                                      |                                     | 94V-1        | •                | •             | 48                        |
| L                          | 1.16"<br>(29.46mm)          | Up to 1                          | 1 thru<br>12              | •               |                                   | 600V    | 100            | •                                  |                                      |                                     | 94V-1        | •                | •             | 50                        |
| O                          | 1.86"<br>(47.24mm)          | Up to 1/0                        | 1 thru<br>4               | •               |                                   | 600V    | 125            | •                                  |                                      |                                     | 94V-1        | •                | •             | 50                        |
| S                          | 2.42"<br>(61.47mm)          | Up to 4/0                        | 1 thru<br>4               | •               |                                   | 600V    | 225            | •                                  |                                      |                                     | 94V-1        | •                | •             | 50                        |



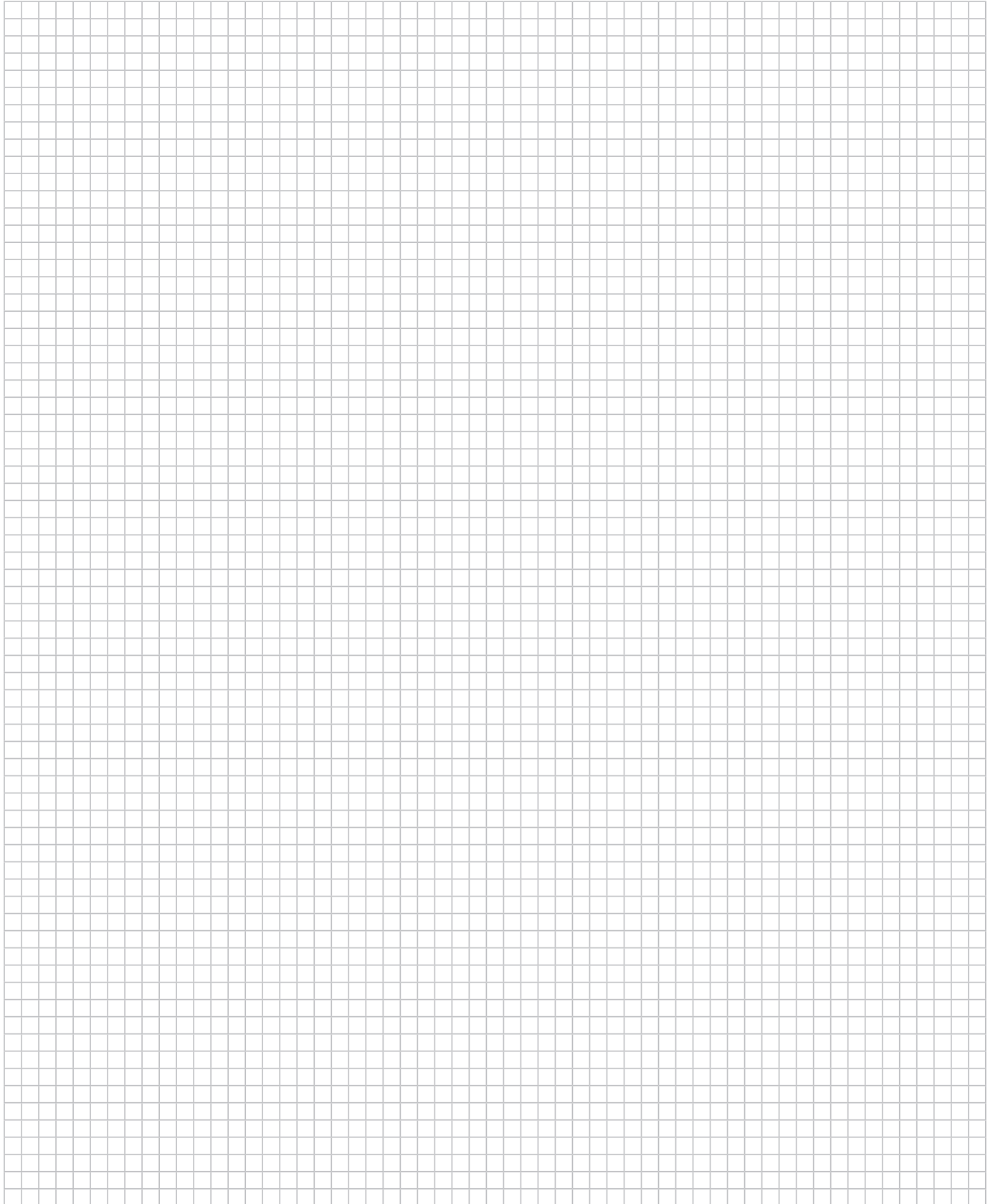
## Relay Sockets

| Relay Sockets   |                                 |                        |         | STYLE |        | RELAYS |      |      |      |      |                                                            | RATING         |                                 | HOUSING                   |  |
|-----------------|---------------------------------|------------------------|---------|-------|--------|--------|------|------|------|------|------------------------------------------------------------|----------------|---------------------------------|---------------------------|--|
| Series/<br>Type | TERMINAL SPACINGS               |                        |         | Octal | Square | SPDT   | 2PDT | 3PDT | 4PDT | 6PDT | Voltage (Varies<br>with Application)<br>see specifications | Current (Amps) | Thermoplastic<br>•110°C (230°F) | Catalog<br>Page<br>Number |  |
|                 | Center-to-<br>Center<br>Spacing | Wire<br>Range<br>(AWG) | Sockets |       |        |        |      |      |      |      |                                                            |                |                                 |                           |  |
| CUS 8           |                                 | 22 to 12               | 8-pin   | •     |        |        | •    |      |      |      | 300V                                                       | 10             | •                               | 55                        |  |
| CUS 5           |                                 | 22 to 14               | 5-pin   |       | •      | •      |      |      |      |      | 250V                                                       | 15             | •                               | 55                        |  |
| CUS 12          |                                 |                        | 11-pin  |       |        |        | •    |      |      |      |                                                            |                |                                 |                           |  |
| CUS 16          |                                 |                        | 8-pin   |       |        |        |      | •    |      |      |                                                            |                |                                 |                           |  |
| RS8             | .4375" (7/16")<br>(11.11mm)     | 22 to 12               | 8-pin   | •     |        |        | •    |      |      |      | 250V                                                       | 10             | •                               | 56                        |  |
| RS11            |                                 |                        | 11-pin  |       |        |        |      | •    |      |      |                                                            |                |                                 |                           |  |
| RS2             | .25" (1/4")<br>(6.35mm)         | 22 to 16               | 10-pin  |       | •      |        | •    |      |      |      | 125V                                                       | 5              | •                               | 57                        |  |
| RS4             |                                 |                        | 16-pin  |       |        |        |      | •    |      |      |                                                            |                |                                 |                           |  |
| RS6             |                                 |                        | 22-pin  |       |        |        |      |      | •    |      |                                                            |                |                                 |                           |  |
| RS12            | .4375" (7/16")<br>(11.11mm)     | 22 to 12               | 8-pin   |       | •      |        |      | •    |      |      | 250V                                                       | 10             | •                               | 58                        |  |
| RS16            |                                 |                        | 11-pin  |       |        |        | •    |      |      |      |                                                            |                |                                 |                           |  |
| RS14            | .25" (1/4")<br>(6.35mm)         | 22 to 16               | 14-pin  |       | •      |        |      |      | •    |      | 125V                                                       | 5              | •                               | 59                        |  |
| RS15            |                                 |                        | 15-pin  |       |        |        |      | •    |      |      |                                                            |                |                                 |                           |  |

## Din Rail

Din Rail

| Series/Type        |                   |                        |                          | STYLE   |           | RATING                                                     |                | HOUSING                                      |                           | Catalog<br>Page<br>Number |
|--------------------|-------------------|------------------------|--------------------------|---------|-----------|------------------------------------------------------------|----------------|----------------------------------------------|---------------------------|---------------------------|
|                    | TERMINAL SPACINGS |                        |                          | Screw/L | Screwless | Voltage (Varies<br>with Application)<br>see specifications | Current (Amps) | Thermoplastic<br>Polyamide<br>•125°C (230°F) | V-0<br>Self-Extinguishing |                           |
|                    | Spacing           | Wire<br>Range<br>(AWG) | Wire<br>Cross<br>Section |         |           |                                                            |                |                                              |                           |                           |
| Single Level       | 5-26mm            | 24 to 10               | 2.5-70mm                 | •       |           | 800V                                                       | 24-80          | •                                            |                           | 64                        |
| Dual Level         | 6 mm              | 24 to 10               | 4.0-6.0mm                | •       |           | 600V                                                       | 30             | •                                            |                           | 66                        |
| Triple Level       | 5.3 & 6mm         | 26 to 14               | 2.5mm                    | •       |           | 250V                                                       | 24             | •                                            |                           | 69                        |
| Single Level       | 5mm               | 24 to 8                | 2.5-8.0mm                |         | •         | 600V                                                       | 20             | •                                            |                           | 70                        |
| Single-Multi Level | 5mm               | 24 to 8                | 2.5-8.0mm                |         | •         | 600V                                                       | 20             | •                                            |                           | 71                        |
| Ground             |                   | 24 to 10               |                          |         | •         |                                                            |                | •                                            |                           | 72                        |
| Fuse Block         | 10mm              |                        | 11/4-5.0mm               | •       |           | 600V                                                       | 15-30          | •                                            |                           | 73                        |
| Din Ground         | 2 - 25mm          | 30 to 12               | 2-25mm                   | •       |           | 300-750V                                                   | 13.5-15        |                                              | •                         | 75                        |

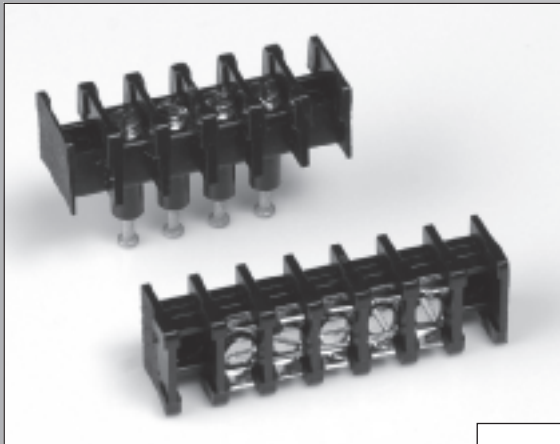


## **BARRIER STYLE TERMINAL BLOCKS ]**

*Single Row*

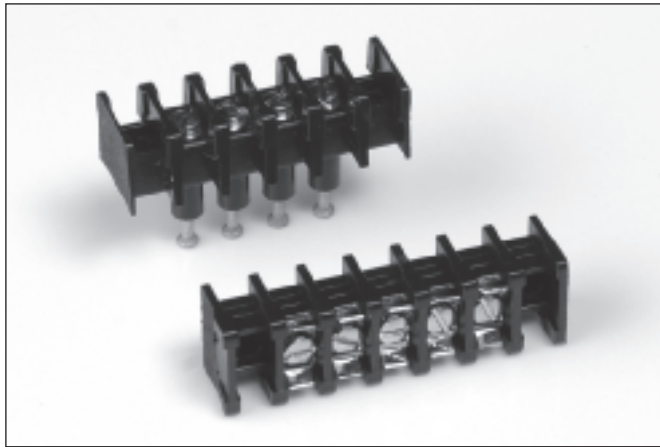
*Dual Row*

*High-Voltage/Current*



*Curtis Industries*  
A Division of Powers Holdings, Inc.

# Series SE/SEI .250" (1/4") 6.35mm Center-to-Center Spacing



## Features:

- **Miniature Feed-Thru, Printed Circuit and Surface Connection** – SE Series miniature terminal blocks are designed for applications requiring the compactness and versatility of the SEI Series without full feed-thru insulation.
- **Barrier-Type Construction** – Blocks are made of high-impact, break-resistant thermoplastic molding with integrally mounted .116" diameter mounting holes. One thru 26 terminals on 1/4" center-to-center spacing.
- **Terminal Flexibility** – External terminals available in two No. 2-56 screw designs. Internal terminals include an .047" diameter printed circuit pin, and turret-type solder pins.
- **Wire Sizes** – No. 2-56 screws. UL recognized for No. 22AWG to No. 16AWG.
- **Recognition and Listing** – UL recognized
- **Standoffs** – SEPX and SEFX are now supplied with .020" standoffs for ease in cleaning after soldering.

**UL** Recognized under the Components Program of Underwriters Laboratories, Inc. Standard 1059, Guide No. XCFR2, File No. E62557.

**CS** Guide No. 22.2 No. 158, Report No. LR39186-1.

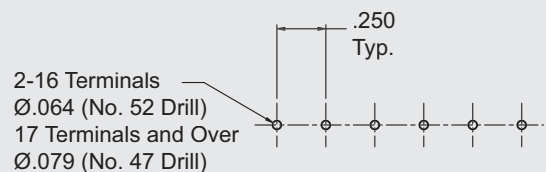
## Internal Terminal Designations

- SEPX, SEIPX** printed circuit board design with .047" tin-plated brass pin
- SEFX, SEIFX** tin-plated brass turret-type solder pin

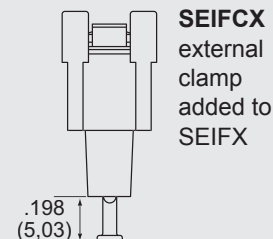
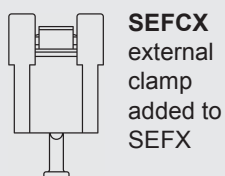
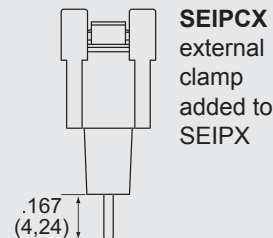
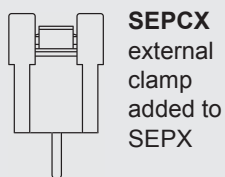
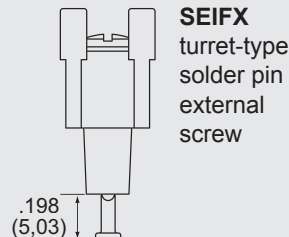
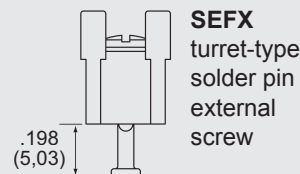
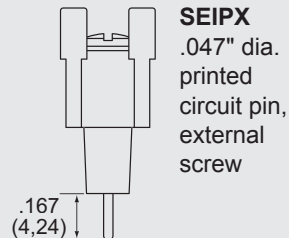
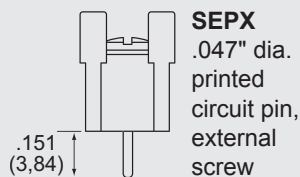
## External Terminal Designations

- SEPX, SEFX, SEIPX, SEIFX** No. 2-56 plated steel\* terminal screw accepting up to No. 16 AWG wire
- SEPCX, SEFCX, SEIPCX, SEIFCX** Nickel-plated brass surface clamp with No. 2-56 plated steel screw to eliminate lugging. Accepts wire up to No. 16AWG

## PC BOARD DRILLING DIMENSIONS



## VARIATIONS



Single Row

BARRIER STYLE

## Specifications:

**Center-to-Center Spacing:** .250" (6.35mm)

**Wire Range:** UL recognized for No. 22AWG to No. 16AWG. Models SEIPX, SEIFX, SEPX and SEFX with standard No. 2-56 plated steel screws are UL recognized "for factory wiring only." Models SEPCX, SEFCX, SEIPCX and SEIFCX are UL recognized "for field wiring" when ordered with special No. 2-56 stainless steel screw.

**No. of Terminals:** 1 thru 26

**Voltage Rating:** UL & CSA – 150 volts – General Industrial  
250 volts – Commercial  
Appliance

**Tightening Torque:** Wire Clamp with stainless steel screw 3 in.-lbs.

**Current Rating:** 5 amps UL

### Housing:

|                                          |                                                                                                           |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Material                                 | Polyphenylene Oxide                                                                                       |
| Continuous Use                           |                                                                                                           |
| Temp. (UL Index)                         | 110° C (230° F)                                                                                           |
| Flammability Rating                      | 94V-0                                                                                                     |
| Water Absorption<br>(24 hrs. % wt. gain) | .06%                                                                                                      |
| Chemical Resistance                      | Resistant to inorganic bases and acids – for organic substances contact factory for specific resistances. |

### Breakdown Voltage:

|                     |            |
|---------------------|------------|
| Terminal - Terminal | 3,600 Typ. |
| Terminal - Ground   | 4,700 Typ. |

## How to Order

SEI and SE Series terminal blocks are ordered by listing a composite number made up of the model designation followed by the number of poles required for the application.

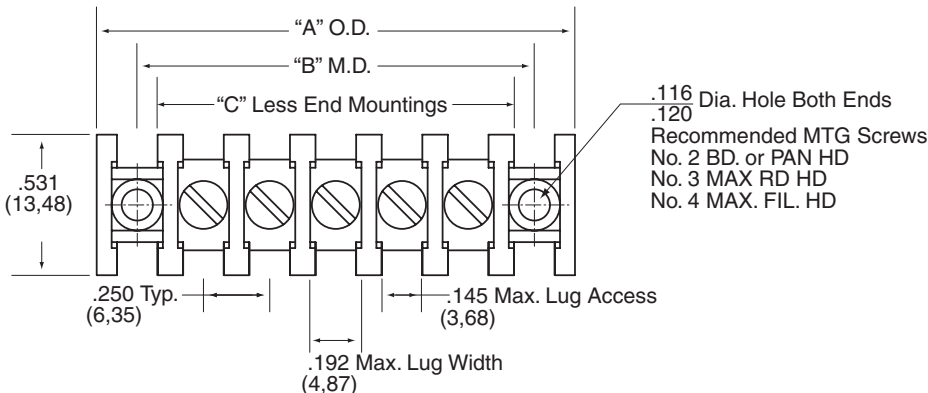
Suffixes are used as follows:

R denotes model less mounting positions

\* The SEPX and SEFX are made with .020" standoffs for ease in cleaning after the soldering operation

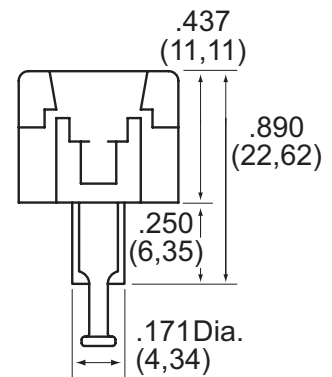
## Series SE/SEI Dimensions

NOTE: mm dim. are shown in parentheses



| Series SE/SEI With Mounting Ends |                                    |             |                                     |             | Without Mounting Ends            |             |
|----------------------------------|------------------------------------|-------------|-------------------------------------|-------------|----------------------------------|-------------|
| Number of Terminals              | Dimensions                         |             |                                     |             |                                  |             |
|                                  | A ± .031 Overall Dimensions (O.D.) |             | B ± .031 Mounting Dimensions (M.D.) |             | C ± .031 Less Mounting Positions |             |
|                                  | Inches                             | Metric (mm) | Inches                              | Metric (mm) | Inches                           | Metric (mm) |
| 1                                | .781                               | 19.84       | .500                                | 12.70       | .375                             | 9.52        |
| 2                                | 1.031                              | 26.19       | .750                                | 19.05       | .625                             | 15.87       |
| 3                                | 1.281                              | 32.54       | 1.000                               | 25.40       | .875                             | 22.22       |
| 4                                | 1.531                              | 38.89       | 1.250                               | 31.75       | 1.125                            | 28.57       |
| 5                                | 1.781                              | 45.24       | 1.500                               | 38.10       | 1.375                            | 34.92       |
| 6                                | 2.031                              | 51.59       | 1.750                               | 44.45       | 1.625                            | 41.27       |
| 7                                | 2.281                              | 57.94       | 2.000                               | 50.80       | 1.875                            | 47.62       |
| 8                                | 2.531                              | 64.29       | 2.250                               | 57.15       | 2.125                            | 53.97       |
| 9                                | 2.781                              | 70.64       | 2.500                               | 63.50       | 2.375                            | 60.32       |
| 10                               | 3.031                              | 76.99       | 2.750                               | 69.85       | 2.625                            | 66.67       |
| 11                               | 3.281                              | 83.34       | 3.000                               | 76.20       | 2.875                            | 73.02       |
| 12                               | 3.531                              | 89.69       | 3.250                               | 82.55       | 3.125                            | 79.37       |
| 13                               | 3.781                              | 96.04       | 3.500                               | 88.90       | 3.375                            | 85.72       |
| 14                               | 4.031                              | 102.39      | 3.750                               | 95.25       | 3.625                            | 92.07       |
| 15                               | 4.281                              | 108.74      | 4.000                               | 101.60      | 3.875                            | 98.42       |
| 16                               | 4.531                              | 115.09      | 4.250                               | 107.95      | 4.125                            | 104.77      |
| 17                               | 4.781                              | 121.44      | 4.500                               | 114.30      | 4.375                            | 111.12      |
| 18                               | 5.031                              | 127.79      | 4.750                               | 120.65      | 4.625                            | 117.47      |
| 19                               | 5.281                              | 134.14      | 5.000                               | 127.00      | 4.875                            | 123.82      |
| 20                               | 5.531                              | 140.49      | 5.250                               | 133.35      | 5.125                            | 130.17      |
| 21                               | 5.781                              | 146.84      | 5.500                               | 139.70      | 5.375                            | 136.52      |
| 22                               | 6.031                              | 153.19      | 5.750                               | 146.05      | 5.625                            | 142.87      |
| 23                               | 6.281                              | 159.54      | 6.000                               | 152.40      | 5.875                            | 149.22      |
| 24                               | 6.531                              | 165.89      | 6.250                               | 158.75      | 6.125                            | 155.57      |
| 25                               | 6.781                              | 172.24      | 6.500                               | 165.10      | 6.375                            | 161.92      |
| 26                               | 7.031                              | 178.59      | 6.750                               | 171.45      | 6.625                            | 168.27      |

Dimensions shown are ± 0.030"



# Series 32500 .325" Center-to-Center Spacing



## Features:

- **Complete Line of .325" Offset Blocks** – Including base mount, P.C. Pin, wire wrap, turret, and right angle terminals
- **Open or Tri Barrier Designs** – To meet your wiring requirements
- **UL & CSA Recognized** – With a 94 V-O flammability rating
- **Molded in Standoffs** – To aid in the board cleaning process
- **A Multitude of Screw and Wire Terminals Available** – Including wire clamps, wire ready screws, and combo head screws

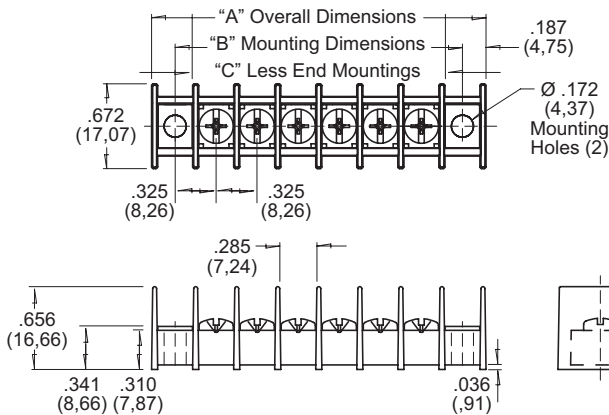


Recognized under the Components Program of Underwriters Laboratories, Inc. Standard 1059, Guide No. XCFR2, File No. E62557.

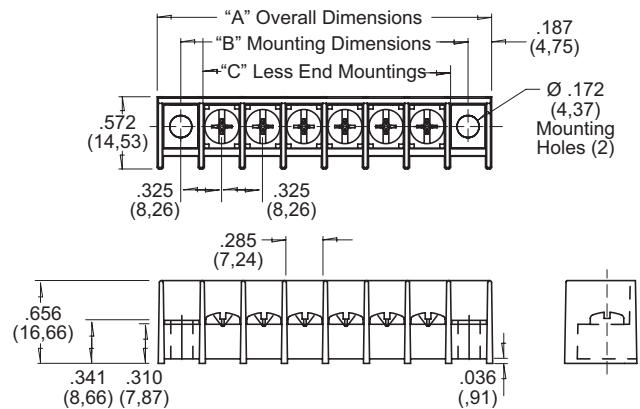


Guide No. 22.2 No. 158, Report No. LR39186-1.

### 32500 Surface Mount With or Without Mounting Ends



### 32500 Tri-Barrier Surface Mount With or Without Mounting Ends



## How to Order

325 X X X XX X

### MOLDING DESIGN

- 0 = Open Back w/ Mounting Ends
- 1 = Open Back w/o Mounting Ends
- 2 = Tri Barrier w/ Mounting Ends
- 3 = Tri Barrier w/o Mounting Ends

### INSERT OR BOTTOM TERMINATION DESIGN

- 0 = Base Mount Insert
- 1 = Printed Circuit Pin
- 2 = Wire Wrap Pin
- 3 = Turret Type Pin
- 4 = Right Angle Printed Circuit Pin

### SPECIALS OR OPTIONAL DESIGNS

- 0 = None
- A-Z = Custom Configuration

### NUMBER OF POSITIONS

1 thru 26, Available in One to Twenty-Six Positions

### HARDWARE OR TOP TERMINATION DESIGN

- 0 = Steel Combo Head Screw
- 1 = Wire Clamp Head Screw
- 2 = Brass Combo
- 3 = Stainless Steel Screw
- 5 = Supplied w/o Screws
- 6 = Quick Connects
- 8 = Captivated Steel Combo Head
- 9 = Captivated Wire Clamp

**Specifications:****Center-to-Center Spacing:** .325" (.825mm)**Wire Range:** No. 22AWG to 14AWG**No. of Terminals:** 1 thru 26 (28 without mounting holes)**Voltage Rating:** 300V**Tightening Torque:** 9 in. lb.**Current Rating:** 15 amps UL  
(20 Amps with 12AWG & Lugs)**Housing:**

Material Polypropylene

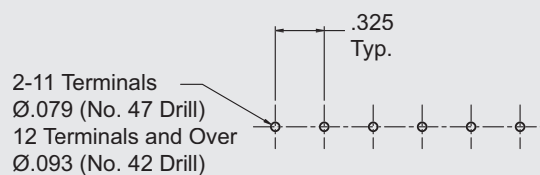
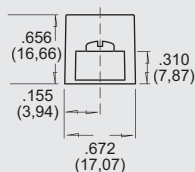
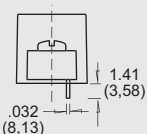
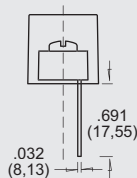
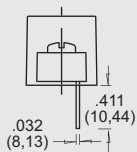
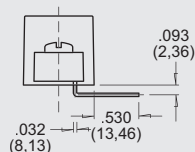
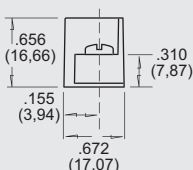
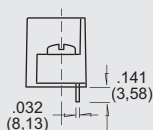
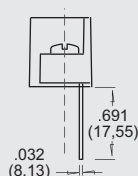
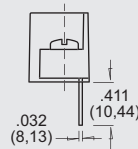
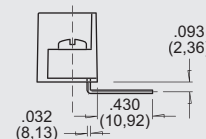
Continuous Use

Temp. (UL Index) 105°C (221°F)

Flammability Rating 94V-0

Water Absorption

(24 hrs. % wt. gain) .03%

**PC BOARD DRILLING DIMENSIONS****Series 32500 Open Back****0 – Flush Mount****1 – PC Pin****2 – Wire Wrap****3 – Turret Type****4 – Right Angle PC Pin****Series 32500 Tri-Barrier****0 – Flush Mount****1 – PC Pin****2 – Wire Wrap****3 – Turret Type****4 – Right Angle PC Pin**

| Series 32500 With Mounting Ends |                                    |             |                                     |             | Without Mounting Ends       |             |
|---------------------------------|------------------------------------|-------------|-------------------------------------|-------------|-----------------------------|-------------|
| Number of Terminals             | Dimensions                         |             |                                     |             |                             |             |
|                                 | A ± .031 Overall Dimensions (O.D.) |             | B ± .031 Mounting Dimensions (M.D.) |             | C ± .031 Less Mounting Ends |             |
|                                 | Inches                             | Metric (mm) | Inches                              | Metric (mm) | Inches                      | Metric (mm) |
| 1                               | 1.023                              | 25.98       | .650                                | 16.51       | .373                        | 9.47        |
| 2                               | 1.348                              | 34.24       | .975                                | 24.77       | .698                        | 17.73       |
| 3                               | 1.673                              | 42.49       | 1.300                               | 33.02       | 1.023                       | 25.98       |
| 4                               | 1.998                              | 50.75       | 1.625                               | 41.30       | 1.348                       | 34.24       |
| 5                               | 2.323                              | 59.00       | 1.950                               | 49.53       | 1.673                       | 42.49       |
| 6                               | 2.648                              | 67.26       | 2.275                               | 57.79       | 1.998                       | 50.75       |
| 7                               | 2.973                              | 75.51       | 2.600                               | 66.04       | 2.323                       | 59.00       |
| 8                               | 3.298                              | 83.77       | 2.925                               | 74.30       | 2.648                       | 67.25       |
| 9                               | 3.623                              | 92.02       | 3.250                               | 82.55       | 2.973                       | 75.51       |
| 10                              | 3.948                              | 100.28      | 3.575                               | 90.81       | 3.298                       | 83.77       |
| 11                              | 4.273                              | 108.53      | 3.900                               | 99.06       | 3.623                       | 92.02       |
| 12                              | 4.598                              | 116.79      | 4.225                               | 107.32      | 3.948                       | 100.28      |
| 13                              | 4.923                              | 125.04      | 4.550                               | 115.57      | 4.273                       | 108.53      |
| 14                              | 5.248                              | 133.30      | 4.875                               | 123.83      | 4.598                       | 116.79      |
| 15                              | 5.573                              | 141.55      | 5.200                               | 132.08      | 4.923                       | 125.04      |
| 16                              | 5.898                              | 149.81      | 5.525                               | 140.34      | 5.248                       | 133.30      |
| 17                              | 6.223                              | 158.06      | 5.850                               | 148.59      | 5.573                       | 141.55      |
| 18                              | 6.548                              | 166.32      | 6.175                               | 156.85      | 5.898                       | 149.81      |
| 19                              | 6.873                              | 174.57      | 6.500                               | 165.1       | 6.223                       | 158.06      |
| 20                              | 7.198                              | 182.83      | 6.825                               | 173.36      | 6.548                       | 166.32      |
| 21                              | 7.523                              | 191.08      | 7.150                               | 181.61      | 6.873                       | 174.57      |
| 22                              | 7.848                              | 199.34      | 7.475                               | 189.87      | 7.198                       | 182.83      |
| 23                              | 8.173                              | 207.59      | 7.800                               | 198.12      | 7.523                       | 191.08      |
| 24                              | 8.498                              | 215.85      | 8.125                               | 206.38      | 7.848                       | 199.34      |
| 25                              | 8.823                              | 224.10      | 8.450                               | 214.63      | 8.173                       | 207.60      |
| 26                              | 9.148                              | 232.36      | 8.775                               | 222.89      | 8.498                       | 215.85      |
| 27                              |                                    |             |                                     |             | 8.823                       | 224.10      |
| 28                              |                                    |             |                                     |             | 9.148                       | 232.36      |

Dimensions shown are ± 0.030"

# Series 37000/38000 .375" (3/8") 9.52mm Center-to-Center Spacing

Single Row

BARRIER STYLE



**37000 TRI BARRIER**



**38000 OPEN BACK**

## Features:

- Complete line of .375" centerline terminal block styles. Terminal blocks come in surface mount, PC mount, panel mount, and feed-thru styles with a wide variety of top and bottom terminations available
- Compliant contact design virtually eliminates solder joint fractures due to pin twist
- Standoffs are molded into blocks to prevent trapping solder flux and to aid in the board cleaning process
- Broad wire range. The 37000/38000 Series terminal blocks will accommodate wire sizes up to 12AWG
- Full line of accessories complements the 37000/38000 Series terminal blocks, offering greater design flexibility
- All Curtis terminal blocks for electronic applications are made from self-extinguishing material rated 94V-0 by Underwriters Laboratories, Inc.
- Customized terminal blocks are available for special application by consulting any authorized Curtis distributor, Curtis representative, or by contacting the Curtis factory direct



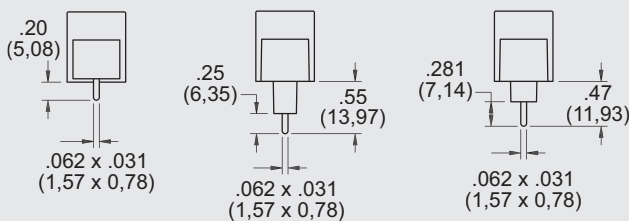
Recognized under the Components Program of Underwriters Laboratories, Inc. Standard 1059, Guide No. XCFR2, File No. E62557.



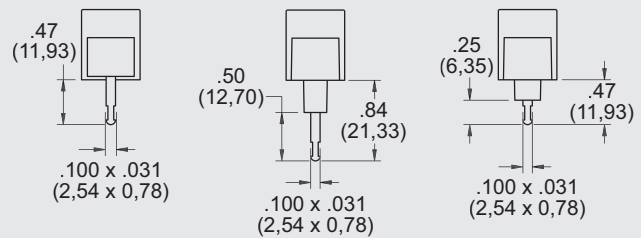
Guide No. 22.2 No. 158, Report No. LR39186-1.

## SERIES 38000 VARIATIONS

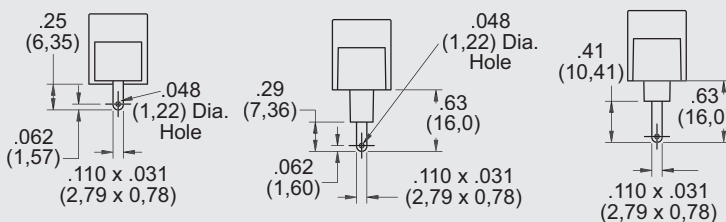
### 1 - Printed Circuit Pin



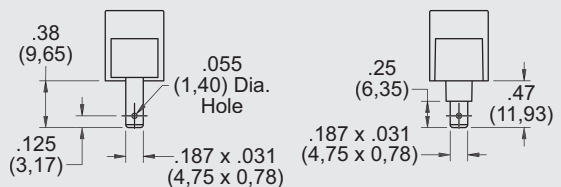
### 2 - Turret Type Solder Terminal



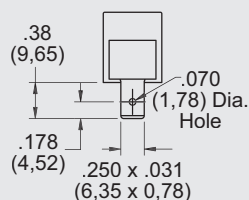
### 3 - .110" Quick Connect



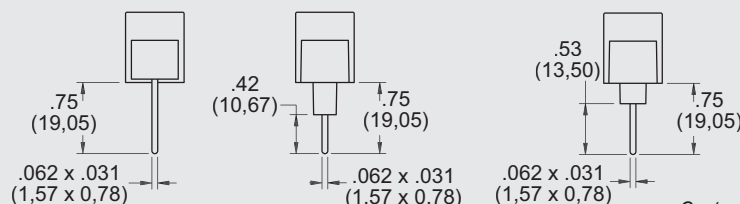
### 4 - .187" Quick Connect



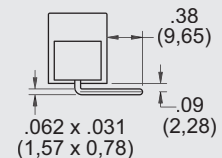
### 5 - .250" Quick Connect



### 6 - Wire Wrap/Printed Circuit Pin



### 7 - Wire Wrap/Right Angle Printed Circuit Pin



NOTE: Standard bend shown. Contact factory for other bend dimensions.

**Specifications:**

**Center-to-Center Spacing:** .375"  
(9.52mm)

**Wire Range:** No. 22AWG to No. 12AWG

**No. of Terminals:** 1 thru 26 (28 positions  
on surface mount without mounting  
ends)

**Voltage Rating:** 300V

**Tightening Torque:**

Wire Binding Screw 9 in.-lb.

Wire Clamp 9 in.-lb.

**Current Rating:** 20 amps

**Housing:**

Material Polypropylene

Continuous Use

Temp. (UL Index) 105°C

Flammability Rating 94V-0

Water Absorption  
(24 hrs. % wt. gain) .03%

Chemical Resistance Excellent

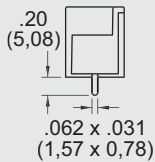
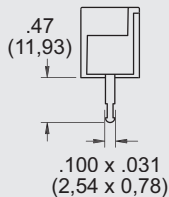
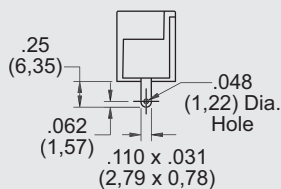
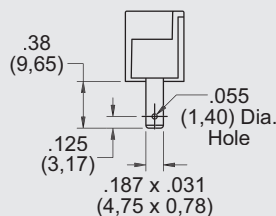
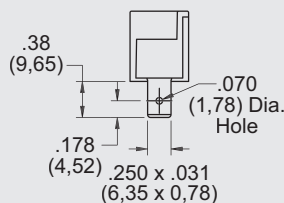
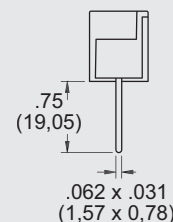
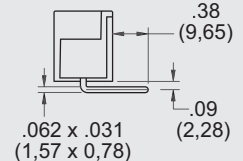
**Breakdown Voltage:**

Terminal - Ground 3,000V Typ.  
4,700 Typ.

**Terminals:** Brass, Tin-plated

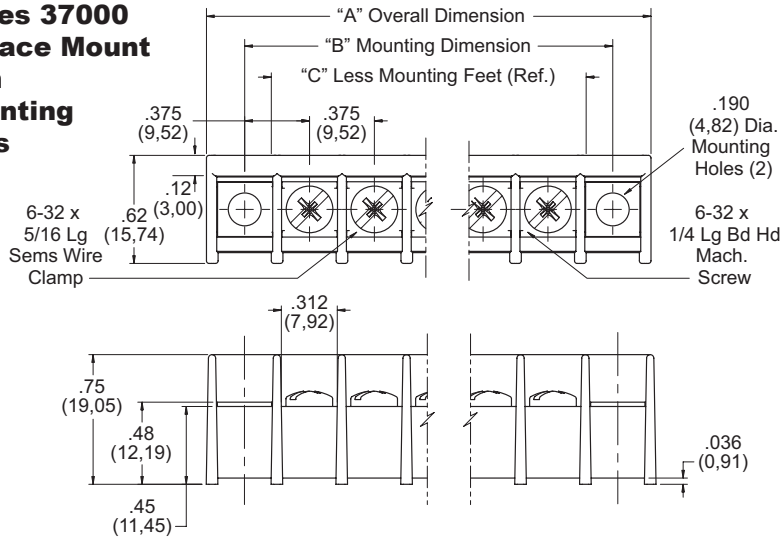
| Series 37000 and 38000<br>With Mounting Ends |                                       |                |                                        |                |                                |                | Without<br>Mounting<br>Ends    |                |
|----------------------------------------------|---------------------------------------|----------------|----------------------------------------|----------------|--------------------------------|----------------|--------------------------------|----------------|
| Number<br>of<br>Terminals                    | Dimensions                            |                |                                        |                |                                |                |                                |                |
|                                              | A ± .031 Overall<br>Dimensions (O.D.) |                | B ± .031 Mounting<br>Dimensions (M.D.) |                | C ± .031 Less<br>Mounting Ends |                | A ± .031 Less<br>Mounting Ends |                |
|                                              | Inches                                | Metric<br>(mm) | Inches                                 | Metric<br>(mm) | Inches                         | Metric<br>(mm) | Inches                         | Metric<br>(mm) |
| 1                                            | 1.200                                 | 30.48          | .750                                   | 19.05          | .450                           | 11.43          | —                              | —              |
| 2                                            | 1.575                                 | 40.01          | 1.125                                  | 28.58          | .825                           | 20.96          | .825                           | 20.96          |
| 3                                            | 1.950                                 | 49.53          | 1.500                                  | 38.1           | 1.200                          | 30.48          | 1.200                          | 30.48          |
| 4                                            | 2.325                                 | 59.06          | 1.875                                  | 47.63          | 1.575                          | 40.01          | 1.575                          | 40.01          |
| 5                                            | 2.700                                 | 68.58          | 2.250                                  | 57.15          | 1.950                          | 49.53          | 1.950                          | 49.53          |
| 6                                            | 3.075                                 | 78.11          | 2.625                                  | 66.68          | 2.325                          | 59.06          | 2.325                          | 59.06          |
| 7                                            | 3.450                                 | 87.63          | 3.000                                  | 76.2           | 2.700                          | 68.58          | 2.700                          | 68.58          |
| 8                                            | 3.825                                 | 97.16          | 3.375                                  | 85.73          | 3.075                          | 78.11          | 3.075                          | 78.11          |
| 9                                            | 4.200                                 | 106.68         | 3.750                                  | 95.25          | 3.450                          | 87.63          | 3.450                          | 87.63          |
| 10                                           | 4.575                                 | 116.21         | 4.125                                  | 104.78         | 3.825                          | 97.16          | 3.825                          | 97.16          |
| 11                                           | 4.950                                 | 125.73         | 4.500                                  | 114.3          | 4.200                          | 106.68         | 4.200                          | 106.68         |
| 12                                           | 5.325                                 | 135.26         | 4.875                                  | 123.83         | 4.575                          | 116.21         | 4.575                          | 116.21         |
| 13                                           | 5.700                                 | 144.78         | 5.250                                  | 133.35         | 4.950                          | 125.73         | 4.950                          | 125.73         |
| 14                                           | 6.075                                 | 154.31         | 5.625                                  | 142.88         | 5.325                          | 135.26         | 5.325                          | 135.26         |
| 15                                           | 6.450                                 | 163.83         | 6.000                                  | 152.4          | 5.700                          | 144.78         | 5.700                          | 144.78         |
| 16                                           | 6.825                                 | 173.36         | 6.375                                  | 161.93         | 6.075                          | 154.30         | 6.075                          | 154.31         |
| 17                                           | 7.200                                 | 182.88         | 6.750                                  | 171.45         | 6.450                          | 163.83         | 6.450                          | 163.83         |
| 18                                           | 7.575                                 | 192.41         | 7.125                                  | 180.98         | 6.825                          | 173.36         | 6.825                          | 173.36         |
| 19                                           | 7.950                                 | 201.93         | 7.500                                  | 190.5          | 7.200                          | 182.88         | 7.200                          | 182.88         |
| 20                                           | 8.325                                 | 211.48         | 7.875                                  | 200.03         | 7.575                          | 192.40         | 7.575                          | 192.41         |
| 21                                           | 8.700                                 | 220.98         | 8.250                                  | 209.55         | 7.950                          | 201.93         | 7.950                          | 201.93         |
| 22                                           | 9.075                                 | 230.51         | 8.625                                  | 219.08         | 8.325                          | 211.46         | 8.325                          | 211.46         |
| 23                                           | 9.450                                 | 240.03         | 9.000                                  | 228.6          | 8.700                          | 220.98         | 8.700                          | 220.98         |
| 24                                           | 9.825                                 | 249.56         | 9.375                                  | 238.13         | 9.075                          | 230.50         | 9.075                          | 230.51         |
| 25                                           | 10.200                                | 259.08         | 9.750                                  | 247.65         | 9.450                          | 240.03         | 9.450                          | 240.03         |
| 26                                           | 10.575                                | 268.61         | 10.125                                 | 257.18         | 9.825                          | 249.56         | 9.825                          | 249.56         |

Dimensions shown are ± 0.030"

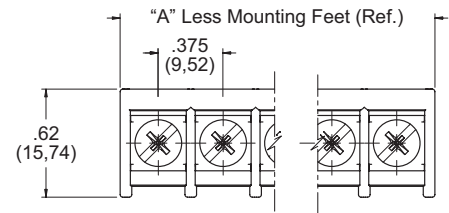
**SERIES 37000 VARIATIONS****1 – Printed Circuit Pin****2 – Turret Type Solder Terminal****3 – .110" Quick Connect****4 – .187" Quick Connect****5 – .250" Quick Connect****6 – Wire Wrap/Printed Circuit Pin****7 – Wire Wrap/Right Angle Printed Circuit Pin**

# Series 37000/38000

## Series 37000 Surface Mount with Mounting Ends



## Series 37000 Surface Mount without Mounting Ends



## How to Order T37 X X X XX X

### MOLDING DESIGN ]

- 0 = Surface Mount w/ Mounting Ends
- 1 = Surface Mount w/o Mounting Ends

### INSERT OR BOTTOM TERMINATION DESIGN ]

- 0 = Surface Mount, No Bottom Termination
- 1 = Printed Circuit Pin
- 2 = Turret Type Solder Terminal
- 3 = Quick Connect .110"
- 4 = Quick Connect .187"
- 5 = Quick Connect .250"
- 6 = Wire Wrap Pin
- 7 = Right Angle Printed Circuit

### [ SPECIALS OR OPTIONAL DESIGNS

- 0 = None
- A-Z = Custom Configuration

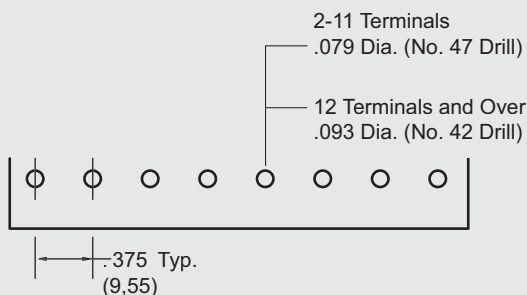
### [ NUMBER OF POSITIONS

- 1 thru 26, Available in One to Twenty-Six Positions (28 Surface Mounts without Mounting Ends)

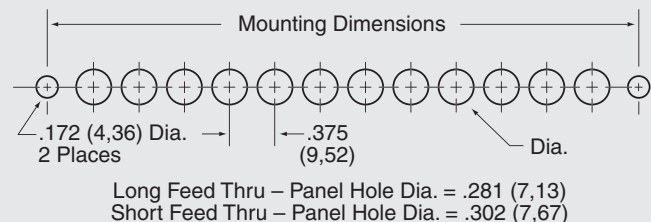
### [ HARDWARE OR TOP TERMINATION DESIGN

- 0 = Nickel Plated Steel Screw, Standard
- 1 = Wire Clamp Screws
- 2 = Nickel Plated Brass Screws
- 3 = Stainless Steel Screws
- 5 = Without Screws
- 6 = Quick Connects, Screw Type\*
- 8 = Captivated Screw

## PC BOARD DRILLING DIMENSIONS



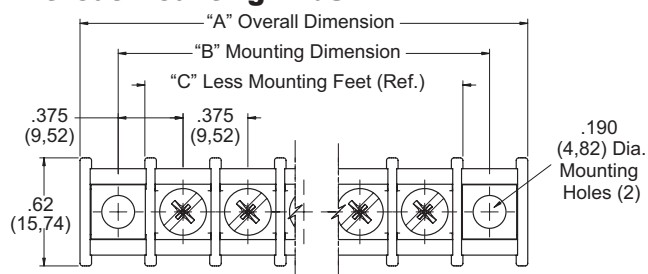
## RECOMMENDED PANEL CUTOUT DIMENSIONS



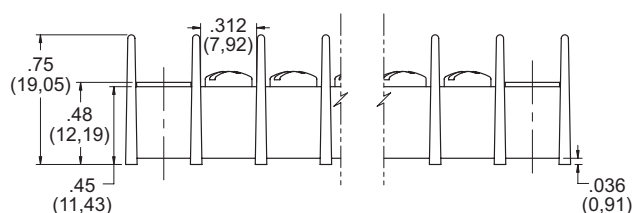
Single Row

BARRIER STYLE

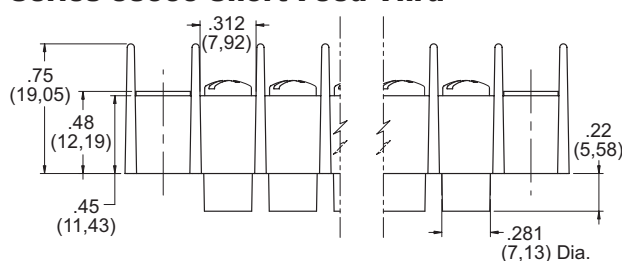
## Series 38000 Surface Mount without Mounting Ends



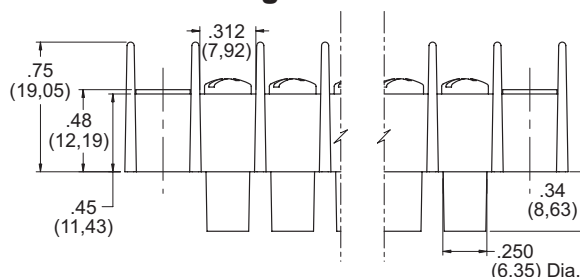
## Series 38000 Base Mount



## Series 38000 Short Feed-Thru



## Series 38000 Long Feed-Thru



## How to Order T38 X X X XX X

### MOLDING DESIGN

- 0 = Surface Mount w/ Mounting Ends
- 1 = Surface Mount w/o Mounting Ends
- 2 = Insulated Feed Thru .250 Diameter w/ Mounting Ends
- 3 = Insulated Feed Thru .250 Diameter w/o Mounting Ends
- 4 = Insulated Feed Thru .281 Diameter w/ Mounting Ends
- 5 = Insulated Feed Thru .281 Diameter w/o Mounting Ends

### INSERT OR BOTTOM TERMINATION DESIGN

- 0 = Surface Mount, No Bottom Termination
- 1 = Printed Circuit Pin
- 2 = Turret Type Solder Terminal
- 3 = Quick Connect .110"
- 4 = Quick Connect .187"
- 5 = Quick Connect .250"
- 6 = Wire Wrap Pin
- 7 = Right Angle Printed Circuit

### SPECIALS OR OPTIONAL DESIGNS

- 0 = None
- A-Z = Custom Configuration

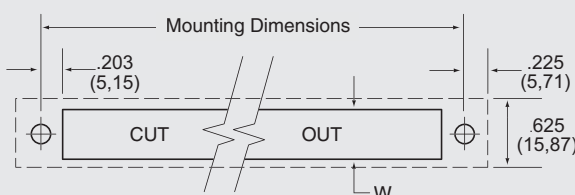
### NUMBER OF POSITIONS

1 thru 26, Available in One to Twenty-Six Positions (28 Surface Mounts without Mounting Ends)

### HARDWARE OR TOP TERMINATION DESIGN

- 0 = Nickel Plated Steel Screw, Standard
- 1 = Wire Clamp Screws
- 2 = Nickel Plated Brass Screws
- 3 = Stainless Steel Screws
- 5 = Without Screws
- 6 = Quick Connects, Screw Type\*
- 8 = Captivated Screw

## RECOMMENDED PANEL CUTOUT DIMENSIONS



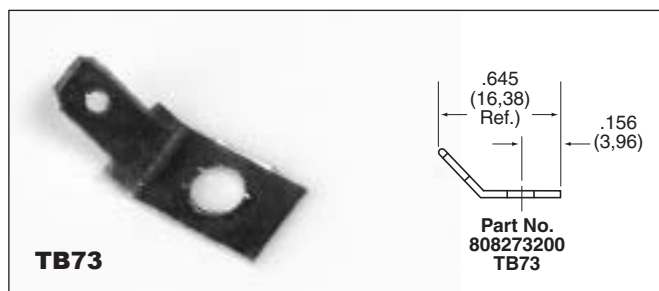
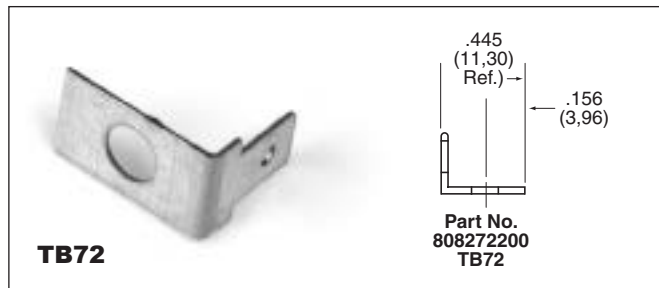
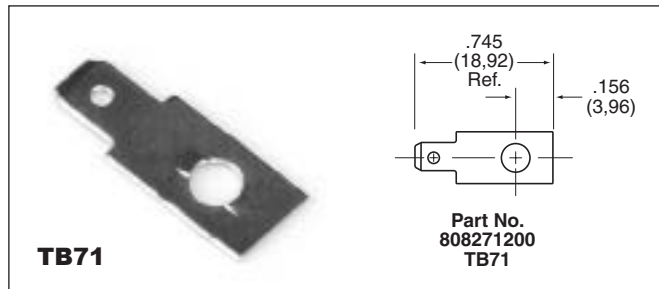
### SURFACE MOUNT STYLES

- .187 (4,75) Tab W = .45 (11,34)
- .250 (6,35) Tab
- .110 (2,79) QC
- Wire Wrap
- Solder Tab W = .38 (9,65)

# Series 37000/38000

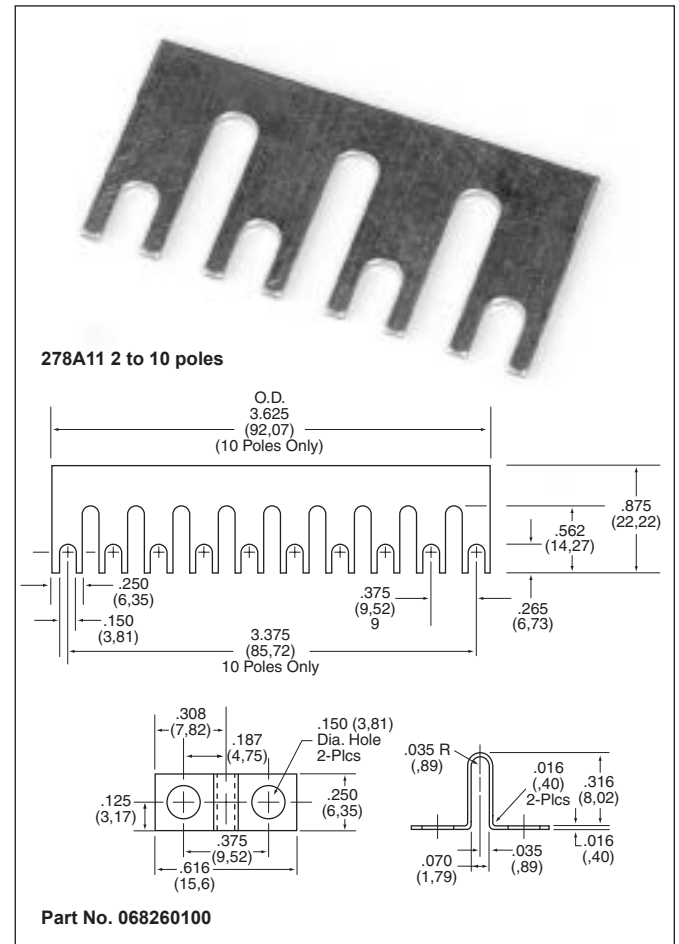
## Series 37000 Accessories

### QUICK-CONNECT TERMINALS .020 X .187

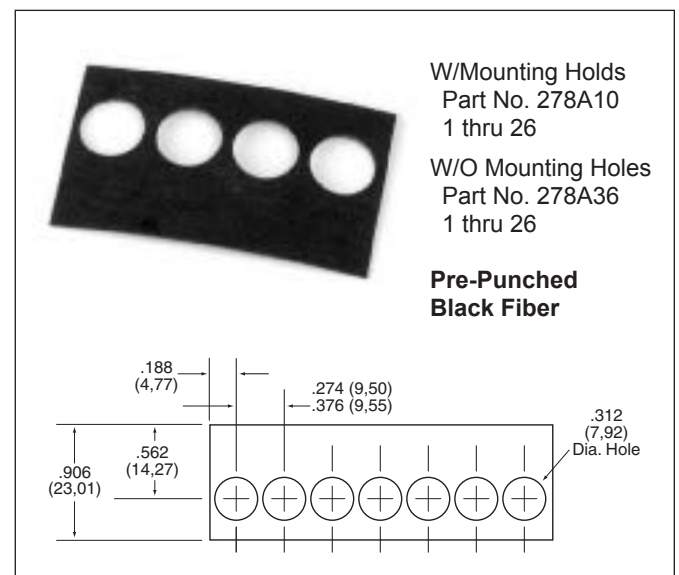


## Series 37000/38000 Accessories

### TERMINAL BLOCK JUMPERS



### MARKING STRIPS

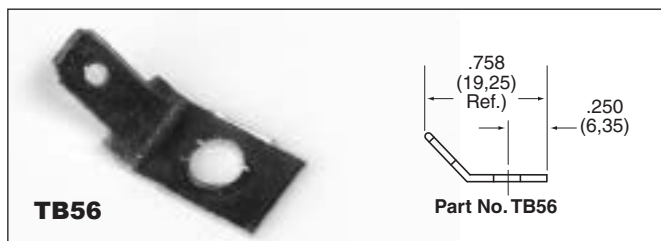
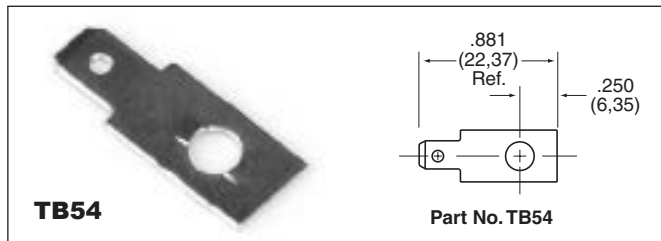
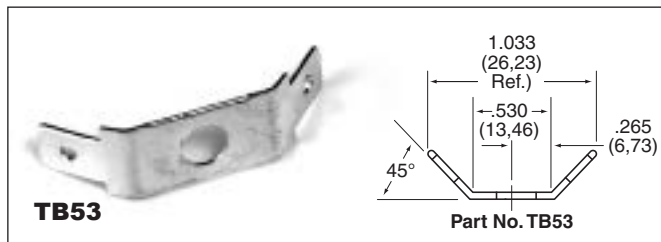
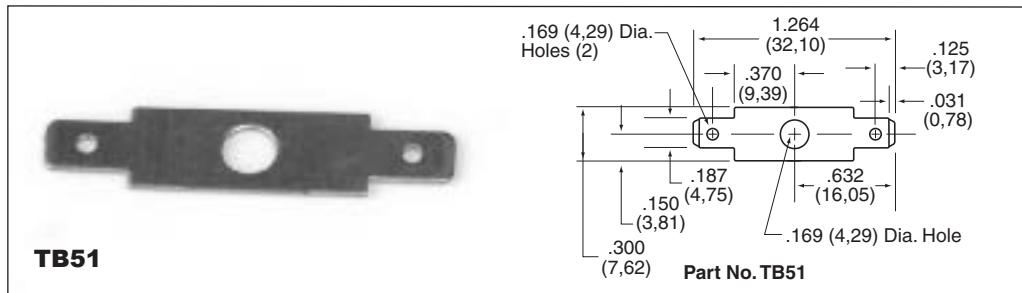


Single Row

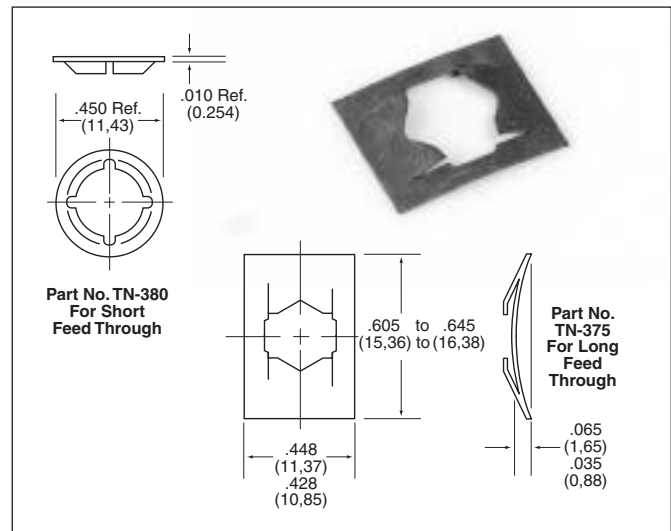
BARRIER STYLE

## Series 38000 Accessories

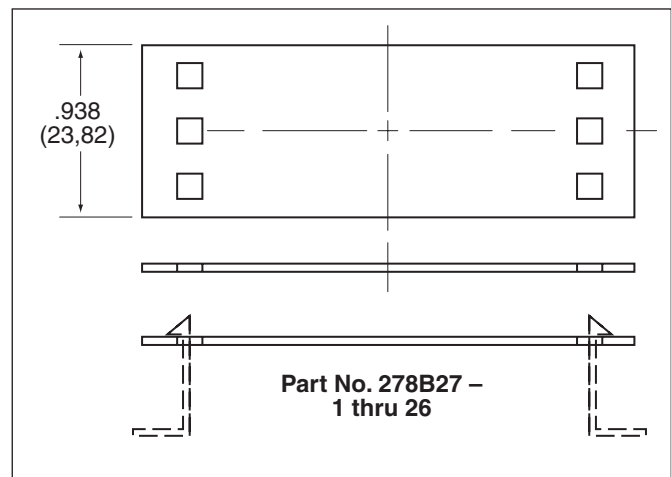
### QUICK-CONNECT TERMINALS .020 x .187"



## TINNERMAN NUTS



## COVERS



Dimensions are in inches and millimeters unless otherwise specified. Values in parentheses are metric equivalents.

**Curtis Industries**  
A Division of Powers Holdings, Inc.

1-800-657-0853

15

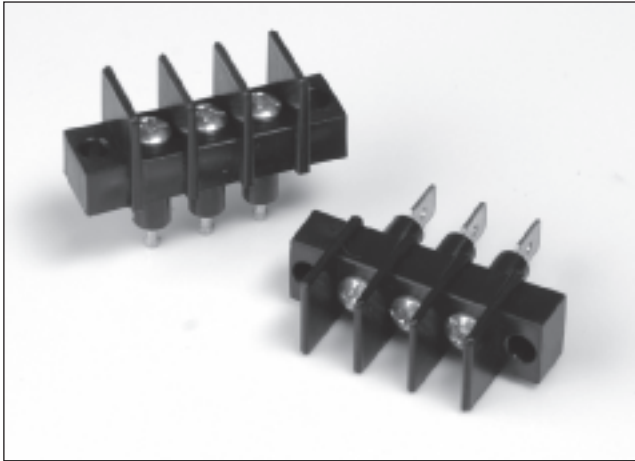
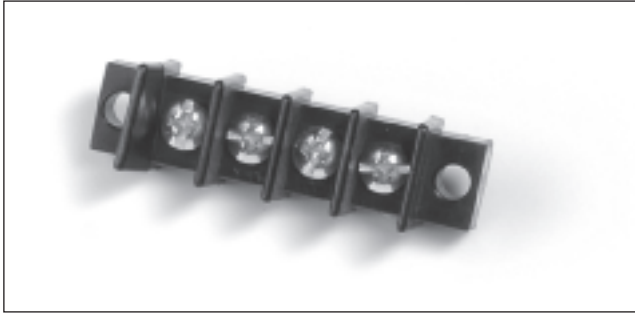
Single Row

BARRIER STYLE

# Series CB/CFT .375" (3/8") 9.52mm Center-to-Center Spacing

Single Row

BARRIER STYLE



## Features:

- **Compact Barrier-Type Design** – Especially suited for electronic and control feed-thru applications where space saving is required
- **Fully Insulated Feed-Thru, Disconnect, Printed Circuit or Surface Connection** – One thru 26 terminals on .375" center-to-center spacing
- **Improved High Barrier-Type Design** – Meets industrial control clearance and creepage requirements set by UL. Rated 20A up to 600V
- **Suitable for High Moisture and Dust Environments** – Blocks are made of break resistance, high-impact black thermoplastic
- **Solid Construction** – Terminals are molded in place with precision screw machined brass inserts which will not twist. Virtually eliminating broken solder joints while providing a full mechanical thread system
- **Broad Wire Range** – No. 6-32 external terminal screw UL recognized for No. 22AWG to No. 12AWG
- **Recognition and Listing** – UL recognized and CSA certified

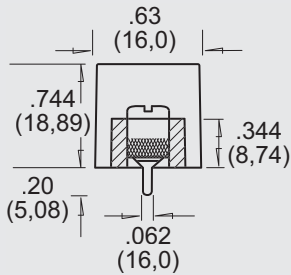


Recognized under the Components Program of Underwriters Laboratories, Inc. Standard 1059, Guide No. XCFR2, File No. E62557.

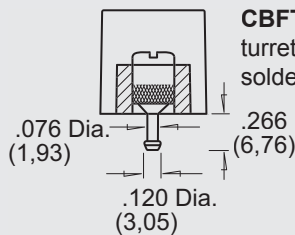


Guide No. 22.2 No. 158, Report No. LR39186-1. Complies with IEC 947-7-1

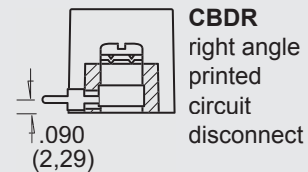
## SERIES CB/CFT VARIATIONS



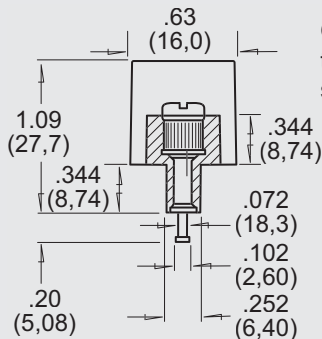
**CBP**  
.062" dia.  
printed  
circuit pin



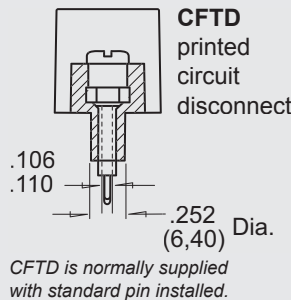
**CBFT**  
turret-type  
solder pin



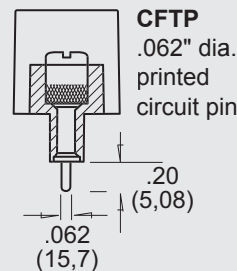
**CBDR**  
right angle  
printed  
circuit  
disconnect



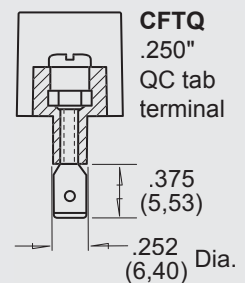
**CFT**  
turret-type  
solder pin



**CFTD**  
printed  
circuit  
disconnect



**CFTP**  
.062" dia.  
printed  
circuit pin



**CFTQ**  
.250"  
QC tab  
terminal

NOTE: Consult factory for minimums

## Specifications:

**Center-to-Center Spacing:** .375" (9.52mm)

**Wire Range:** No. 22AWG to No. 12AWG

**No. of Terminals:** 1 thru 26

**Voltage Rating:** CSA – 300V

*Screw Terminals:*

UL – 600V – Limited Energy Devices

UL – 300V – General Industrial

*Quick Connects:*

UL – 125V – General Appliance

### Tightening Torque:

Wire Binding Screw 12 in.-lb.

Wire Clamps 20 in.-lb.

**Current Rating:** 20 amps

### Housing:

Material Thermoplastic Polyester

Continuous Use

Temp. (UL Index) 140°C (284°F)

Flammability Rating 94V-0

Water Absorption

(24 hrs. % wt. gain) .08%

Chemical Resistance Excellent in most environments

### Breakdown Voltage:

Terminal - Terminal 7,000V Typ.

Terminal - Ground 6,000V Typ.

### Terminals: Solid Brass

Solder style terminals are plated with high-purity tin for optimum solderability

**Contact Resistance:** .002 Ohm Typ. – CFTD

## INTERNAL TERMINAL DESIGNATIONS

CBP printed circuit board design with .062" diameter tin-plated brass pin

CBFT tin-plated brass turret-type solder pin

CFT tin-plated brass turret-type solder pin

CFTP printed circuit board design with .062" diameter tin-plated brass pin

CFTQ .250" quick connect tab terminal

CFTD disconnect design with factory installed pin terminals for printed circuit mounting

CBDR right angle disconnect design

## EXTERNAL TERMINAL DESIGNATIONS

CBP, CBFT, CFT, screw terminal with No. 6-32 plated steel\* screw accepting wire up to No. 12AWG

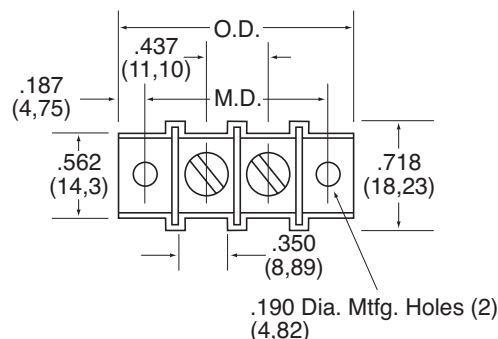
CBPW, CFTW, 6-32 combo head screw with  
CBFTW, CFTPW, captivated traveling wire clamp  
CFTQW, CFTDW,  
CBDRW

\* Other materials available – contact factory or your local representative for additional information.

| Series CB/CFT With Mounting Ends |                                    |             |                                     |             | Without Mounting Ends            |             |
|----------------------------------|------------------------------------|-------------|-------------------------------------|-------------|----------------------------------|-------------|
| Number of Terminals              | Dimensions                         |             |                                     |             |                                  |             |
|                                  | A ± .031 Overall Dimensions (O.D.) |             | B ± .031 Mounting Dimensions (M.D.) |             | C ± .031 Less Mounting Positions |             |
|                                  | Inches                             | Metric (mm) | Inches                              | Metric (mm) | Inches                           | Metric (mm) |
| 1                                | .750                               | 19.05       | 1.062                               | 26.98       | .437                             | 11.11       |
| 2                                | 1.125                              | 28.57       | 1.437                               | 36.51       | .812                             | 20.63       |
| 3                                | 1.500                              | 38.10       | 1.812                               | 46.03       | 1.187                            | 30.16       |
| 4                                | 1.875                              | 47.62       | 2.187                               | 55.56       | 1.562                            | 39.68       |
| 5                                | 2.250                              | 57.15       | 2.562                               | 65.08       | 1.937                            | 49.21       |
| 6                                | 2.625                              | 66.67       | 2.937                               | 74.61       | 2.312                            | 58.73       |
| 7                                | 3.000                              | 76.20       | 3.312                               | 84.13       | 2.687                            | 68.26       |
| 8                                | 3.375                              | 85.72       | 3.687                               | 93.66       | 3.062                            | 77.78       |
| 9                                | 3.750                              | 95.25       | 4.062                               | 103.18      | 3.437                            | 87.31       |
| 10                               | 4.125                              | 104.77      | 4.437                               | 112.71      | 3.812                            | 96.83       |
| 11                               | 4.500                              | 114.30      | 4.812                               | 122.23      | 4.187                            | 106.36      |
| 12                               | 4.875                              | 123.82      | 5.187                               | 131.76      | 4.562                            | 115.88      |
| 13                               | 5.250                              | 133.35      | 5.562                               | 141.28      | 4.937                            | 125.41      |
| 14                               | 5.625                              | 142.87      | 5.937                               | 150.81      | 5.312                            | 134.93      |
| 15                               | 6.000                              | 152.40      | 6.312                               | 160.33      | 5.687                            | 144.46      |
| 16                               | 6.375                              | 161.92      | 6.687                               | 169.86      | 6.062                            | 153.98      |
| 17                               | 6.750                              | 171.45      | 7.062                               | 179.38      | 6.437                            | 163.51      |
| 18                               | 7.125                              | 180.97      | 7.437                               | 188.91      | 6.812                            | 173.03      |
| 19                               | 7.500                              | 190.50      | 7.812                               | 198.43      | 7.187                            | 182.56      |
| 20                               | 7.875                              | 200.02      | 8.187                               | 207.96      | 7.562                            | 192.08      |
| 21                               | 8.250                              | 209.55      | 8.562                               | 217.48      | 7.937                            | 201.61      |
| 22                               | 8.625                              | 219.07      | 8.937                               | 227.01      | 8.312                            | 211.13      |
| 23                               | 9.000                              | 228.60      | 9.312                               | 236.53      | 8.687                            | 220.66      |
| 24                               | 9.375                              | 238.12      | 9.687                               | 246.06      | 9.062                            | 230.18      |
| 25                               | 9.750                              | 247.65      | 10.062                              | 255.58      | 9.437                            | 239.71      |
| 26                               | 10.125                             | 257.17      | 10.437                              | 265.11      | 9.812                            | 249.23      |

Dimensions shown are ± 0.030"

## Series CB/CFT Dimensions



## How to Order

CFT Series terminal blocks are ordered by listing designation followed by the number of poles required for the application. Example: Type CFT 10-pole block becomes stock number CFT-10.

Suffixes are used as follows:

W denotes model with wire clamp replacing external screw terminal

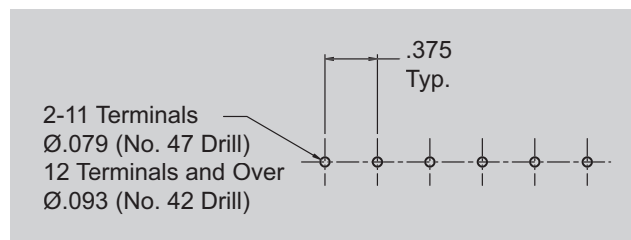
C denotes model less mounting positions

To specify quick-connect terminals, simply add the style number required.

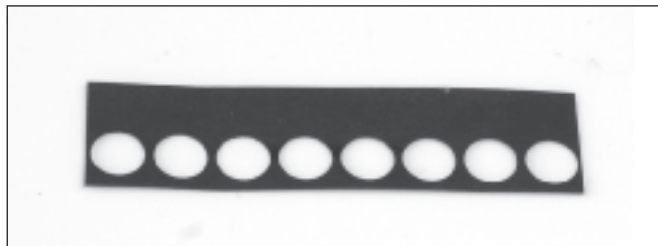
May be purchased factory-assembled or as customer-installed accessory.

The CFT-10 described above with wire clamp less mounting positions thus converts to stock number CFTWC-10.

## PC BOARD DRILLING DIMENSIONS



## Series CB/CFT Accessories



### MARKING STRIPS

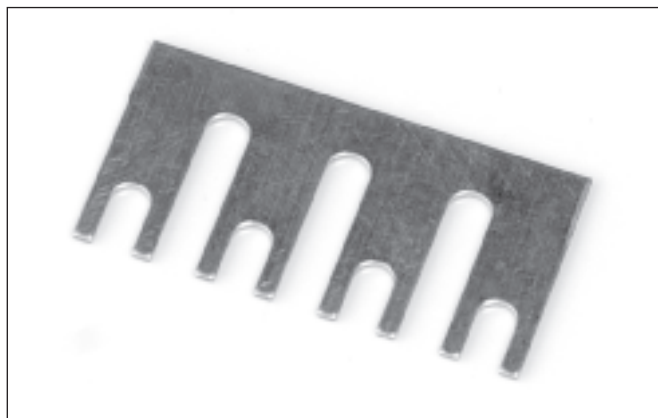
CB/CFT – Pre-punched black fiber . . . mounts under block. May be imprinted to customer specifications.

To order, specify: Part No. 278A10-1 thru 26 (with mounting hole); Part No. 278A36-1 thru 26 (less mounting hole).

### COVERS

CB/CFT – Rigid .030" thick self-extinguishing vinyl. Black matte-finished on both sides. May double as marking strip when imprinted with white ink. Complete with spring clips for attaching to mounting positions.

Part No. 278B27-1 thru 26 terminals



### TERMINAL BLOCK JUMPERS

CB/CFT – Jumper is constructed of plated brass. "Rooster comb" design permits connections of two to 10 poles.

To order, specify; Part No. 278-A11 (plus no. of poles)

Example: 278-A11-10, 10 Pole Jumper

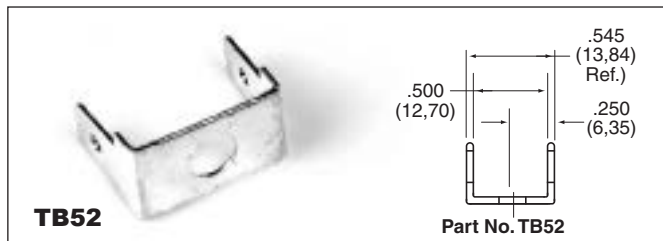
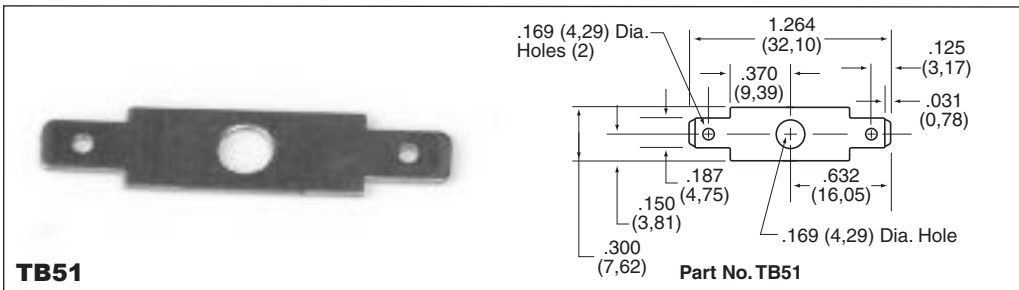
### WIRE CLAMP

CB/CFT – Wire clamp captivated to No. 6-32 screw eliminates need for lugs. Accepts No. 14AWG wire. Part No. 58523700

Terminal blocks are normally supplied with No. 6-32 combo head screws. Other styles and materials on special order.

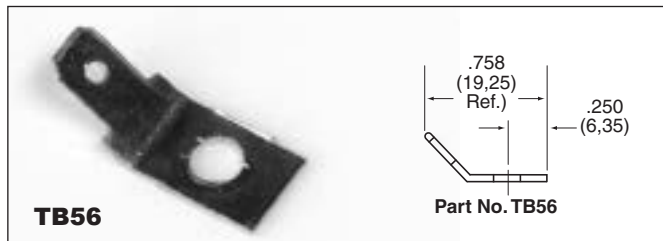
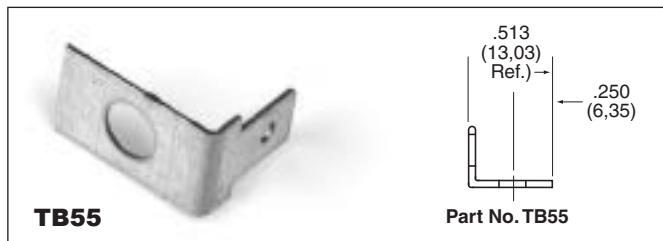
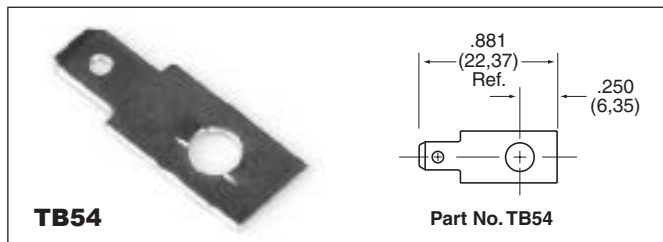
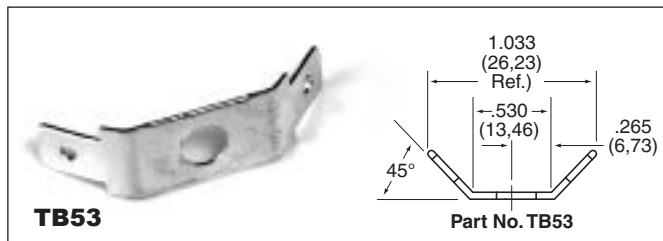
## QUICK-CONNECT TERMINALS

CB/CFT – Available with .187" x .020" quick-connect tabs of tin-plated brass, held in place by terminal screws. Six styles . . . one to six terminations per pole. Factory-assembled or customer installed. Last digit of part number corresponds to previous style numbers.

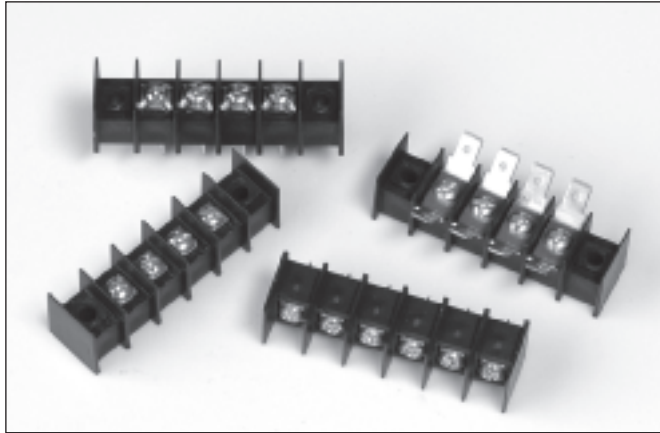


## TINNERMAN NUT

CFT – for speed mounting of terminal blocks less mounting position.  
Part No. TN-375.



# Series 43000 .4375" (11.11mm) Center-to-Center Spacing



## Features:

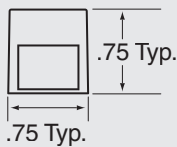
- Cost-competitive line of .4375" (11.11mm) centerline terminal blocks provides design engineers with multitude of selection choices: base mount and feed thru styles with P.C. pin, turret, quick connect, wire wrap and right angle.
- Available in up to 28 positions.
- Rated up to 30A, 600V
- Accepts very broad wire range from 22AWG to 12 AWG. Variety to top terminations including 6-32 and 8-32 screws, quick connects, wire clamps, jumpers, and covers.
- Unique Curtis contact design helps eliminate fracturing of solder joint due to pin twist.
- Plated brass inserts are standard on all Series 43000 terminal blocks. Standoffs molded into the blocks inhibit the trapping of solder flux – makes it easier to clean boards.
- All terminal blocks for electronic use are made from highly durable, self-extinguishing polypropylene material rated 94 V-0 by Underwriters Laboratories, Inc.
- Custom built terminal blocks for special applications are available. Contact any authorized Curtis distributor or representative, or call the factory direct.

**UL** Recognized under the Components Program of Underwriters Laboratories, Inc. Standard 1059, Guide No. XCFR2, File No. E62557.

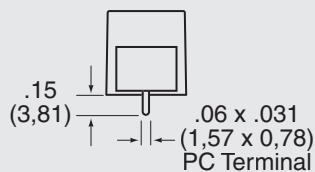
**CSA** Guide No. 22.2 No. 158, Report No. LR39186-1.

## Series 43000 Variations

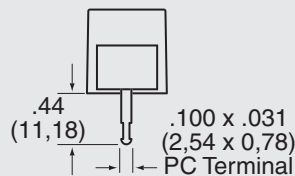
### 0 – Flush Mount



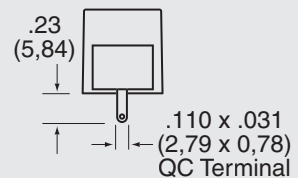
### 1 – Printed Circuit Pin



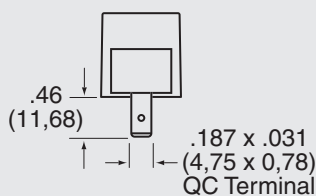
### 2 – Turret Type Solder Terminal



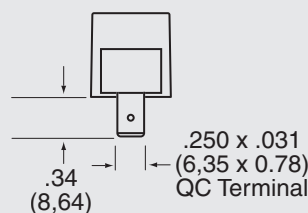
### 3 – Quick Connect .110"



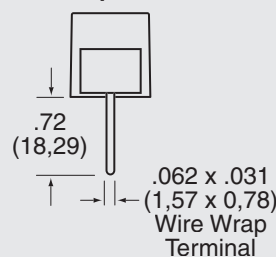
### 4 – Quick Connect .187"



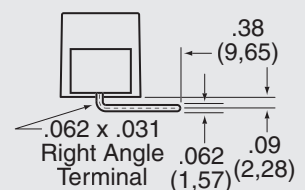
### 5 – Quick Connect .250"



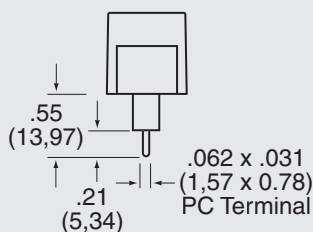
### 6 – Wire Wrap Pin



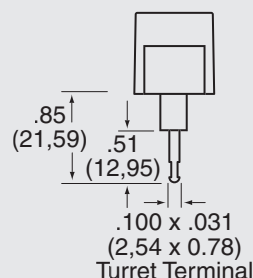
### 7 – Right Angle Printed Circuit Pin



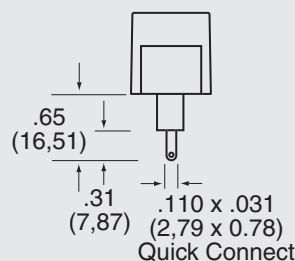
### 1 – Printed Circuit Pin



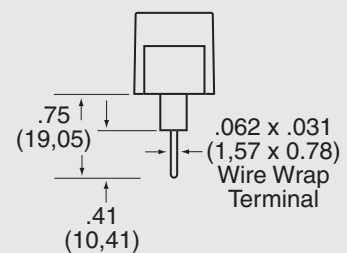
### 2 – Turret Type Solder Terminal



### 3 – Quick Connect .110"



### 6 – Wire Wrap Pin (extended pc pin)



Single Row

BARRIER STYLE

**Specifications:****Center-to-Center Spacing:** .4375" (11.11mm)**Wire Range:** No. 22AWG to 12AWG**No. of Terminals:** 1 thru 26 (28 without mounting holes)**Voltage Rating:** 600V**Tightening Torque:** 9 in. lb.**Current Rating:** 20 amps UL  
(30 Amps with 10AWG & Lugs)**Housing:**

Material Polypropylene

Continuous Use

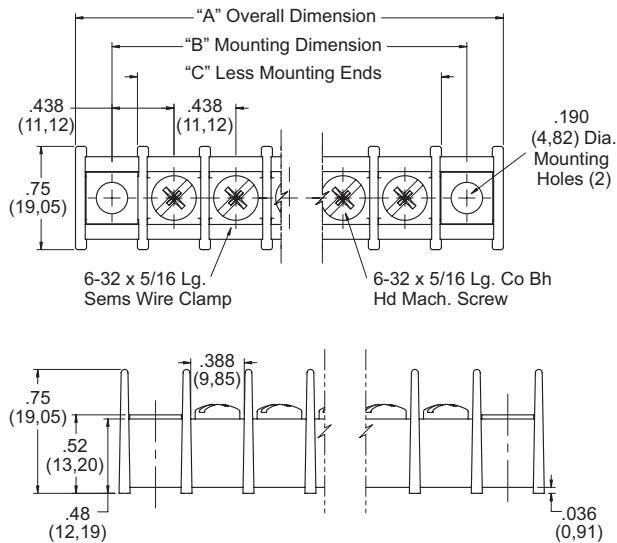
Temp. (UL Index) 105°C (221°F)

Flammability Rating 94V-0

Water Absorption  
(24 hrs. % wt. gain) .03%**Breakdown Voltage:**

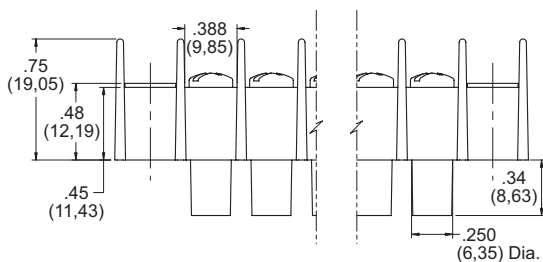
Terminal - Terminal 3000V

Terminal - Ground 3000V

**Terminals:** Brass - Tin Plated**Series 43000 Surface Mount With Mounting Ends**

| Series 43000 With Mounting Ends |                                    |             |                                     |             | Without Mounting Ends            |             |
|---------------------------------|------------------------------------|-------------|-------------------------------------|-------------|----------------------------------|-------------|
| Number of Terminals             | Dimensions                         |             |                                     |             |                                  |             |
|                                 | A ± .031 Overall Dimensions (O.D.) |             | B ± .031 Mounting Dimensions (M.D.) |             | C ± .031 Less Mounting Positions |             |
|                                 | Inches                             | Metric (mm) | Inches                              | Metric (mm) | Inches                           | Metric (mm) |
| 1                               | 1.375                              | 34.93       | .875                                | 22.23       | .500                             | 12.70       |
| 2                               | 1.813                              | 46.05       | 1.313                               | 33.35       | .938                             | 23.83       |
| 3                               | 2.250                              | 57.15       | 1.750                               | 44.45       | 1.375                            | 34.93       |
| 4                               | 2.688                              | 68.28       | 2.188                               | 55.58       | 1.813                            | 46.05       |
| 5                               | 3.125                              | 79.38       | 2.625                               | 66.68       | 2.250                            | 57.15       |
| 6                               | 3.563                              | 90.50       | 3.063                               | 77.80       | 2.688                            | 68.28       |
| 7                               | 4.000                              | 101.60      | 3.500                               | 88.90       | 3.125                            | 79.38       |
| 8                               | 4.438                              | 112.73      | 3.938                               | 100.03      | 3.563                            | 90.50       |
| 9                               | 4.875                              | 123.83      | 4.375                               | 111.13      | 4.000                            | 101.60      |
| 10                              | 5.313                              | 134.95      | 4.813                               | 122.25      | 4.438                            | 112.73      |
| 11                              | 5.750                              | 146.05      | 5.250                               | 133.35      | 4.875                            | 123.83      |
| 12                              | 6.188                              | 157.18      | 5.688                               | 144.48      | 5.313                            | 134.95      |
| 13                              | 6.625                              | 168.28      | 6.125                               | 155.58      | 5.750                            | 146.05      |
| 14                              | 7.063                              | 179.40      | 6.563                               | 166.70      | 6.188                            | 157.18      |
| 15                              | 7.500                              | 190.50      | 7.000                               | 177.80      | 6.625                            | 168.28      |
| 16                              | 7.938                              | 201.63      | 7.438                               | 188.93      | 7.063                            | 179.40      |
| 17                              | 8.375                              | 212.73      | 7.875                               | 200.03      | 7.500                            | 190.50      |
| 18                              | 8.813                              | 223.85      | 8.313                               | 211.15      | 7.938                            | 201.63      |
| 19                              | 9.250                              | 235.00      | 8.750                               | 222.25      | 8.375                            | 212.73      |
| 20                              | 9.688                              | 246.08      | 9.188                               | 233.38      | 8.813                            | 223.85      |
| 21                              | 10.125                             | 257.18      | 9.625                               | 244.48      | 9.250                            | 234.95      |
| 22                              | 10.563                             | 268.30      | 10.063                              | 255.60      | 9.688                            | 246.08      |
| 23                              | 11.000                             | 279.4       | 10.500                              | 266.70      | 10.125                           | 257.18      |
| 24                              | 11.438                             | 290.53      | 10.938                              | 277.83      | 10.563                           | 268.30      |
| 25                              | 11.875                             | 301.63      | 11.375                              | 288.93      | 11.000                           | 279.40      |
| 26                              | 12.313                             | 312.75      | 11.813                              | 300.05      | 11.438                           | 290.53      |
| 27                              |                                    |             |                                     |             | 11.875                           | 301.63      |
| 28                              |                                    |             |                                     |             | 12.313                           | 312.75      |

Dimensions shown are ± 0.030"

**43000 Feed-Thru Series**

Dimensions are in inches and millimeters  
unless otherwise specified.  
Values in parentheses are metric equivalents.

**Curtis Industries**  
A Division of Powers Holdings, Inc.

# Series 43000

## How to Order

43 X X X X XX X

### MOLDING DESIGN

- 0 = Surface Mount w/ Mounting Ends
- 1 = Surface Mount w/o Mounting Ends
- 2 = Insulated Feed Thru w/ Mounting Ends
- 3 = Insulated Feed Thru w/o Mounting Ends

### INSERT OR BOTTOM TERMINATION DESIGN

- 0 = Surface Mount, No Bottom Termination
- 1 = Printed Circuit Pin
- 2 = Turret Type Solder Terminal
- 3 = Quick Connect .110"
- 4 = Quick Connect .187"
- 5 = Quick Connect .250"
- 6 = Extended Printed Circuit Pin or Wire Wrap
- 7 = Right Angle Printed Circuit Pin

Note: Option 4 & 5 Only Available on Surface Mount Style Molding

### INSERT/SCREW DIMENSION

- 0 = 6-32 Insert and Screw
- 1 = 8-32 Insert and Screw, available on PC Pin, Turret Type Solder Pins, Wire Wrap and Right Angle Versions only

### SPECIALS OR OPTIONAL DESIGNS

- 0 = None
- A-Z = Custom Configuration

### NUMBER OF POSITIONS

Available 1 thru 26 W/Mounting End  
1 thru 28 w/o Mounting Ends

### HARDWARE OR TOP TERMINATION DESIGN

- 0 = Standard Zinc Plated Steel Screw, Combo Head
- 1 = Wire Clamp Screw
- 2 = Nickel Plated Brass Screw
- 3 = Stainless Steel Screw
- 5 = Without Screws
- 6 = Quick Connects, Screw Type\*
- 8 = Captivated Screw

\*See accessories

## Series 43000 Accessories

### WIRE CLAMP

4300 – Wire clamp captivated to No. 6-32 or 8-32 screw eliminates need for lugs. Accepts up to No. 12AWG wire. May be ordered factory installed or loose.

### MARKING STRIPS

4300 – Pre-punched black fiber . . . mounts under block. May be imprinted to customer specifications.  
To order, specify: Part No. 267A19-1 thru 26 (with mounting hole); Part No. 267A218-1 thru 28 (less mounting hole).

### COVERS

43000 – Rigid .030" thick self-extinguishing vinyl. Black matte-finished on both sides. May double as marking strip when imprinted with white ink. Complete with spring clips for attaching to mounting positions.

Part No. 0196\_\_ 000, 1 thru 26 poles.

Example: 019605000 would be a 5 pole cover

### TINNERMAN NUT

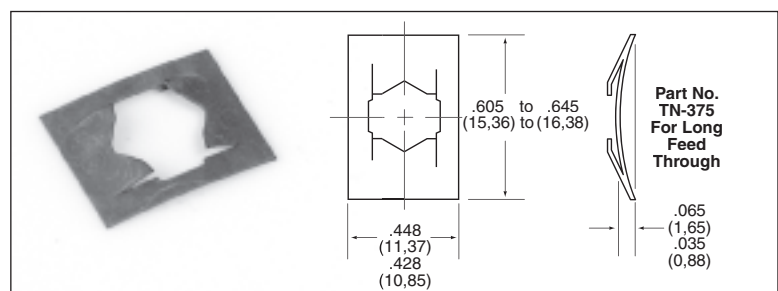
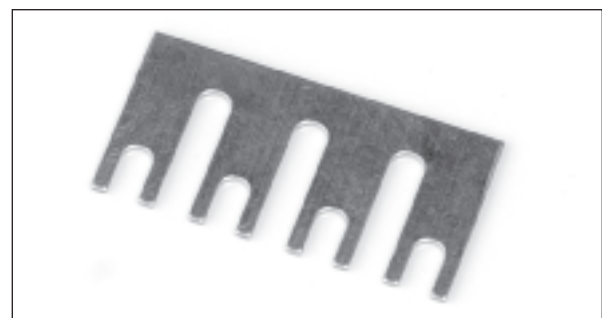
4300 – for special mounting of terminal blocks less mounting position.

Part No. TN-375.

### TERMINAL BLOCK JUMPERS

4300 – Plated brass "Rooster comb" design Type 267A42 permits connections of two to 18 poles.

To order, specify; Part No. 267A42-\_\_ .



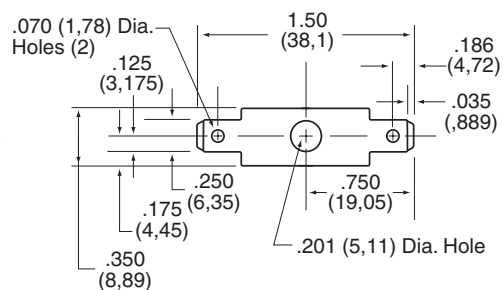
Single Row

BARRIER STYLE

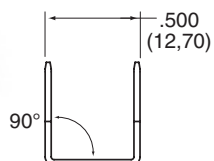
## QUICK-CONNECT TERMINALS QUICK-CONNECT TERMINALS

43000 – Available with .250" x .032" quick-connect tabs of tin-plated brass, held in place by terminal screws. Six styles . . . one to six terminations per pole. Factory-assembled or supplied bulk.

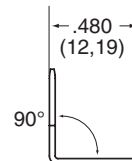
**TB21**



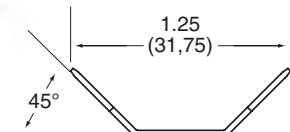
**TB22**



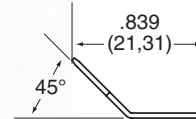
**TB25**



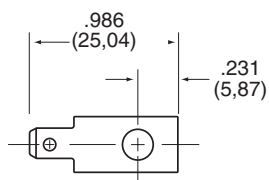
**TB23**



**TB26**



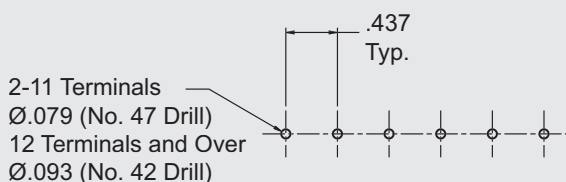
**TB24**



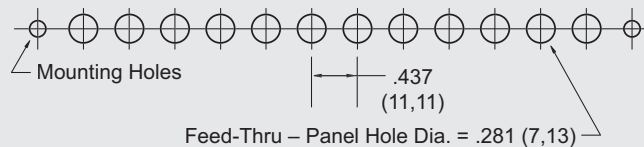
Single Row

BARRIER STYLE

## PC BOARD DRILLING DIMENSIONS



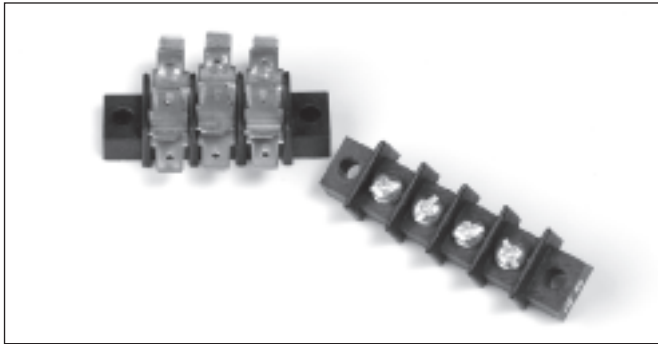
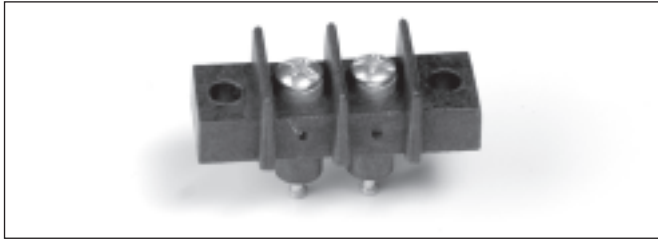
## RECOMMENDED PANEL CUTOUT DIMENSIONS



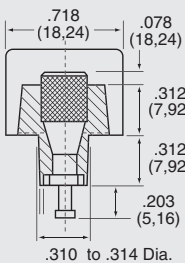
# Series GFT/GB 7/16" (11.11mm) Center-to-Center Spacing

Single Row

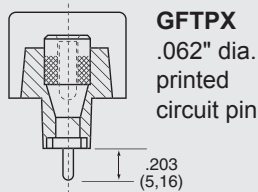
BARRIER STYLE



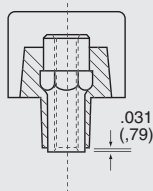
## Series GFT/GB Variations



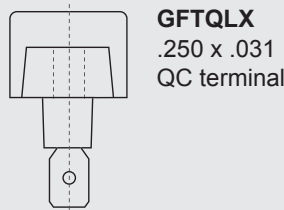
**GFTX**  
turret-type  
solder  
pin



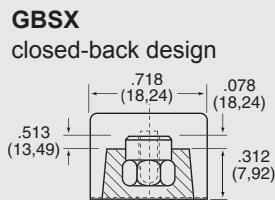
**GFTPX**  
.062" dia.  
printed  
circuit pin



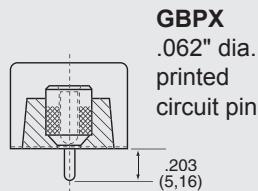
**GFTSX**  
No. 6-32  
machine  
screw



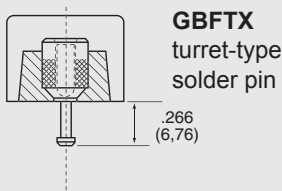
**GFTQLX**  
.250 x .031  
QC terminal



**GBSX**  
closed-back design



**GBPX**  
.062" dia.  
printed  
circuit pin



**GBFTX**  
turret-type  
solder pin

## Features:

- **Superior Construction** – All terminals are molded in place with precision screw machined brass inserts which will not twist, virtually eliminating broken solder joints while providing a full mechanical thread system.
- **Ideal for Sub-Chassis or Thru-Panel Application** – No costly insulation or mounting set-up since feed-thru insulators are an integral part of the moldings. Feature provides a full 1/4" terminal to ground clearance even thru 1/16" chassis.
- **Durable Base Material** – Made of black thermo-set phenolic, or high-impact, break-resistant thermoplastic
- **Electrical Rating** – 20A up to 600V
- **Compact Barrier-Type Design** – Especially suited for electronic and control applications
- **Feed-Thru, Printed Circuit or Surface Connection** – One thru 26 terminals on 7/16" center-to-center spacing
- **Broad Wire Range** – UL recognized for No. 22AWG to No. 12AWG, depending on type of external contact designated, with CSA requiring use of lugs on wire larger than No. 16AWG.
- **Terminal Flexibility** – External terminals available in two screw sizes with various internal terminal types
- **Recognition and Listing** – UL recognized and CSA certified



Recognized under the Components Program of Underwriters Laboratories, Inc. Standard 1059, Guide No. XCFR2, File No. E62557.



Guide No. 22.2 No. 158, Report No. LR39186-1.

## INTERNAL TERMINAL DESIGNATIONS

- GFTP** Printed circuit board design with .062" dia. tin-plated brass turret-type solder pin
- GFT** Tin-plated brass turret-type solder pin
- GFTS** Unplated brass insert. No. 6-32 plated steel screw.
- GBS** Unplated brass insert. Closed-back design which can be mounted on metal surface with no additional insulation required.
- GBP** Printed circuit board design with .062" dia. tin plated brass pin.
- GBFT** Tin-plated brass turret-type solder pin.
- GFTQX** .250 x .031 tin-plated brass quick connect tab terminal.

## EXTERNAL TERMINAL DESIGNATIONS

- GBFT, GBP,** Screw terminal with No. 6-32 plated steel\*
- GBS, GFT, GFTP** Screw accepting up to No. 12AWG wire
- GBFTA, GBPA,** Screw terminal with No. 8-32 plated steel\* screw accepting up to No. 12AWG wire
- GBSA, GFTA, GFTSA, GFTPA**

\* Other materials available – contact factory or your local representative for additional information.

## Specifications:

**Center-to-Center Spacing:** 7/16" (11.11mm)

**Wire Range:** No. 22AWG to No. 12AWG (CSA requires use of lugs on wire larger than No. 16AWG.)

**No. of Terminals:** 1 thru 26

### Voltage Rating:

CSA – 300 volts

UL – \*150 volts – General Industrial

\*\*250 volts – Commercial Applications

300 volts – Limited Energy Applications

600 volts – Limited Energy Applications

\* GFT, GFTP, GFTS, GFTAL rated for 300 volts.

\*\* GFTQALX rated for 125 volts.

### Tightening Torque:

Wire Binding Screw 9 in.-lb.

Wire Clamp 9 in.-lb.

**Current Rating:** 20 amps, UL and CSA

| Housing: | Standard | "X" Grade           |
|----------|----------|---------------------|
| Material | Phenolic | Polyphenylene Oxide |

Continuous Use

Temp. (UL Index) 150°C (302°F) 110°C (230°F)

Flammability Rating 94V-0 94V-0

Water Absorption

(24 hrs. % wt. gain) .04% .06%

| Breakdown Voltage:  | GFT         | GB          |
|---------------------|-------------|-------------|
| Terminal - Terminal | 3,600V Typ. | 5,000V Typ. |
| Terminal - Ground   | 5,800V Typ. | 7,900V Typ. |

*Note:* Specifications contained herein are subject to change without notice.

## How to Order

GB/GFT Series terminal blocks are ordered by listing a composite number made up of the model designation followed by the number of poles required for the application. Example: Type GBP 10-pole block becomes stock number GBP-10.

Suffixes are used as follows:

A denotes model with No. 8-32 external screw terminal

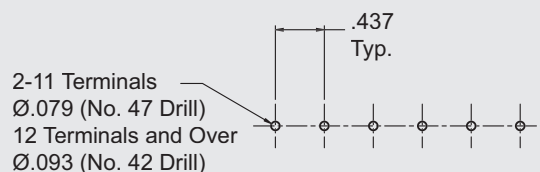
C denotes model less mounting positions

X denotes model with thermoplastic molding

To specify quick-connect terminals, simply add the style number required. May be purchased factory-assembled or as customer-installed accessory.

The GBP-10 described above – made from thermo-set phenolic – less mounting positions thus converts to stock number GBPC-10.

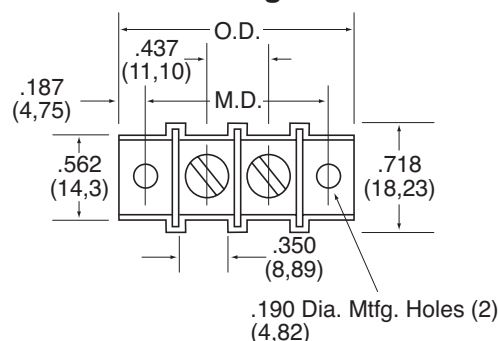
## PC BOARD DRILLING DIMENSIONS



| Series GFT/GB With Mounting Ends |                                     |             |                                    |             | Without Mounting Ends            |             |
|----------------------------------|-------------------------------------|-------------|------------------------------------|-------------|----------------------------------|-------------|
| Number of Terminals              | Dimensions                          |             |                                    |             |                                  |             |
|                                  | B ± .031 Mounting Dimensions (M.D.) |             | A ± .031 Overall Dimensions (O.D.) |             | C ± .031 Less Mounting Positions |             |
|                                  | Inches                              | Metric (mm) | Inches                             | Metric (mm) | Inches                           | Metric (mm) |
| 1                                | .875                                | 22.22       | 1.250                              | 31.75       | .562                             | 14.28       |
| 2                                | 1.312                               | 33.33       | 1.687                              | 42.86       | 1.000                            | 25.40       |
| 3                                | 1.750                               | 44.45       | 2.125                              | 53.97       | 1.437                            | 36.51       |
| 4                                | 2.187                               | 55.56       | 2.562                              | 65.08       | 1.875                            | 47.62       |
| 5                                | 2.625                               | 66.67       | 3.000                              | 76.20       | 2.312                            | 58.73       |
| 6                                | 3.062                               | 77.78       | 3.437                              | 87.31       | 2.750                            | 69.85       |
| 7                                | 3.500                               | 88.90       | 3.875                              | 98.42       | 3.187                            | 80.96       |
| 8                                | 3.937                               | 100.01      | 4.312                              | 109.53      | 3.625                            | 92.07       |
| 9                                | 4.375                               | 111.12      | 4.750                              | 120.65      | 4.062                            | 103.18      |
| 10                               | 4.812                               | 122.23      | 5.187                              | 131.76      | 4.500                            | 114.30      |
| 11                               | 5.250                               | 133.35      | 5.625                              | 142.87      | 4.937                            | 125.41      |
| 12                               | 5.687                               | 144.46      | 6.062                              | 153.98      | 5.375                            | 136.52      |
| 13                               | 6.125                               | 155.57      | 6.500                              | 165.10      | 5.812                            | 147.63      |
| 14                               | 6.562                               | 166.68      | 6.937                              | 176.21      | 6.250                            | 158.75      |
| 15                               | 7.000                               | 177.80      | 7.375                              | 187.32      | 6.687                            | 169.86      |
| 16                               | 7.437                               | 188.91      | 7.812                              | 198.43      | 7.125                            | 180.97      |
| 17                               | 7.875                               | 200.02      | 8.250                              | 209.55      | 7.562                            | 192.08      |
| 18                               | 8.312                               | 211.13      | 8.687                              | 220.66      | 8.000                            | 203.20      |
| 19                               | 8.750                               | 222.25      | 9.125                              | 231.77      | 8.437                            | 214.31      |
| 20                               | 9.187                               | 233.36      | 9.562                              | 242.88      | 8.875                            | 225.42      |
| 21                               | 9.625                               | 244.47      | 10.000                             | 254.00      | 9.312                            | 236.53      |
| 22                               | 10.062                              | 255.58      | 10.437                             | 265.11      | 9.750                            | 247.65      |
| 23                               | 10.500                              | 266.70      | 10.875                             | 276.22      | 10.187                           | 258.76      |
| 24                               | 10.937                              | 277.81      | 11.312                             | 287.33      | 10.625                           | 269.87      |
| 25                               | 11.375                              | 288.92      | 11.750                             | 298.45      | 11.062                           | 280.98      |
| 26                               | 11.812                              | 300.03      | 12.187                             | 309.56      | 11.500                           | 292.10      |

Dimensions shown are ± 0.030"

## Series GFT/GB with Mounting Ends

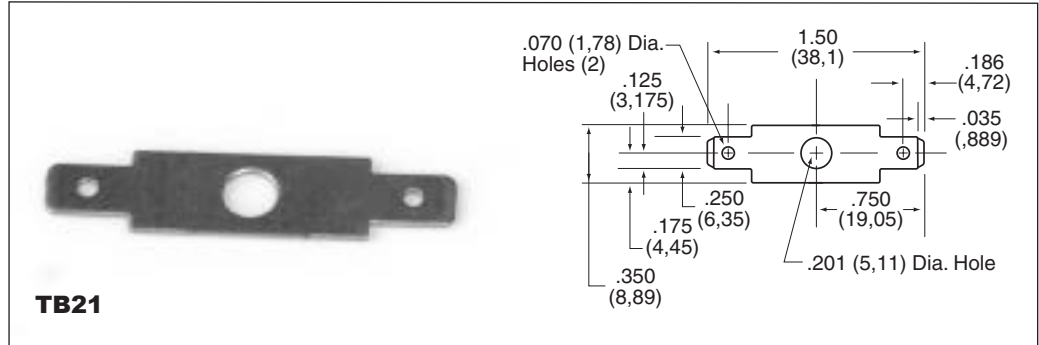


# Series GB/GFT

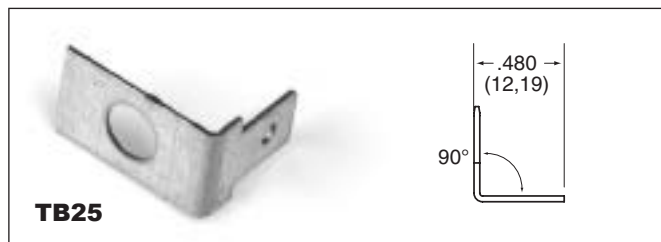
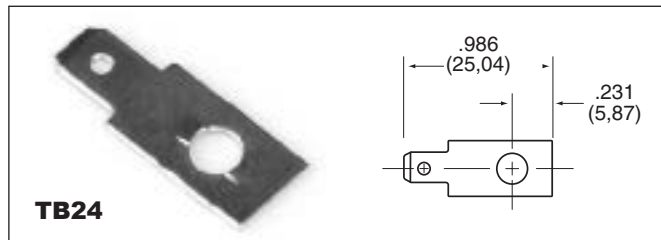
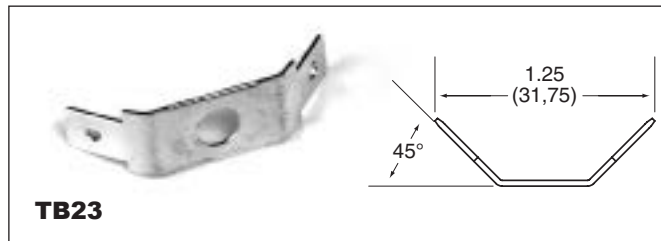
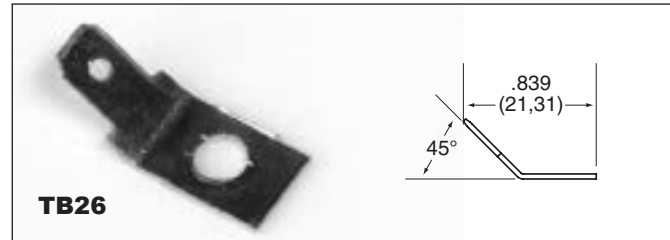
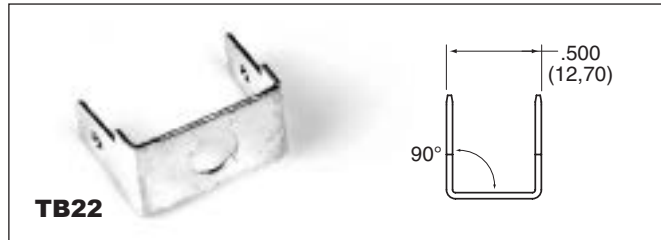
## Series GFT/GB Accessories

### QUICK-CONNECT TERMINALS

GFT-GFT – Available with .250" x .032" quick-connect tabs of tin-plated brass, held in place by terminal screws. Six styles . . . one to six terminations per pole. Factory-assembled or customer installed. Last digit of part number corresponds to previous style numbers.



Single Row

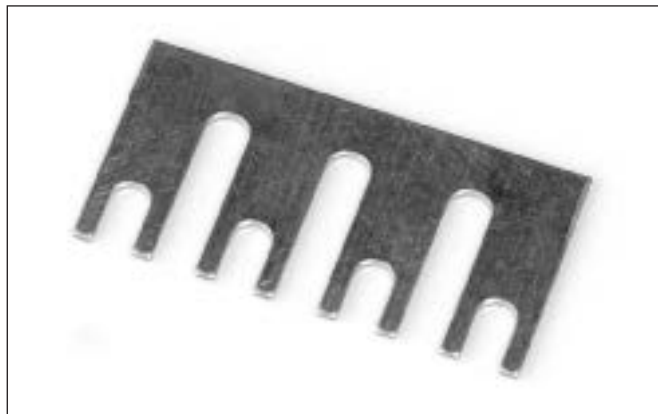


BARRIER STYLE

**TINNERMAN NUT**

GFT – for speed mounting of terminal blocks less mounting position.

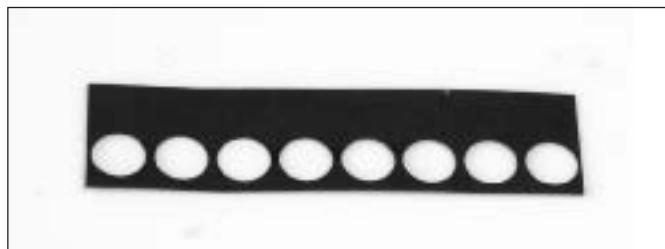
Part No. TN-437.

**TERMINAL BLOCK JUMPERS**

GB/GFT – Plated in two styles. Types 267A28 is designed to jump two adjacent terminals as it is channeled to cross over the barrier top. "Rooster comb" design of Type 267A42 permits connections of two to 18 poles.

To order, specify: Part No. 267A42 (plus no. of poles)

*Example: 267A42-18*

**MARKING STRIPS**

GB/GFT – Pre-punched black fiber . . . mounts under block. May be imprinted to customer specifications.

To order, specify: Part No. 267A19-1 thru 26 (with mounting hole); Part No. 267A218-1 thru 26 (less mounting hole).

**COVERS**

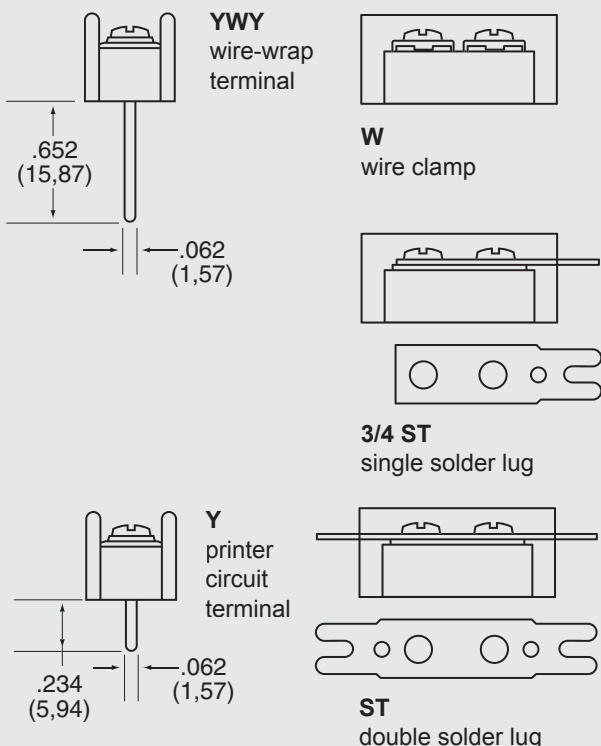
GB/GFT – Rigid .030" thick self-extinguishing vinyl. Black matte-finished on both sides. May double as marking strip when imprinted with white ink. Complete with spring clips for attaching to mounting positions.

Part No. 267B86-1 thru 26 terminals

# Series 1500 .375" (9.52mm) Center-to-Center Spacing



## Series 1500 Variations



## Features:

- **Flexible Hi-Temp Thermoplastic Terminal Blocks** – Self-extinguishing types which resist breakage and other damage (conform to UL 94V-0).
- **Terminal Flexibility** – Ideal for surface mount, sub-panel or chassis connections in electronic/electrical circuit applications. One thru 22 terminals. 1500 Series is .375" on centers.
- **Economical Closed-Back Design** – No need for costly insulation strip.
- **Broad Wire Range** – No. 6-32 external twin screws, UL recognized for No. 22AWG to No. 10AWG. Variations include double solder lug, single solder lug, wire wrap, solder pin and printed circuit pin.
- **UL/CSA Electrical Ratings** – UL 30A/1100V RMS (1/3 breakdown voltage), CSA rating 15A/300V.
- **Recognition and Listing** – Various terminal types are UL recognized and CSA certified.

## INTERNAL TERMINAL DESIGNATIONS

- 1500-Y** printed circuit board design with .062" x .031" solderable tin-plated pin
- 1500-YWY** feed-thru wire wrap

## EXTERNAL TERMINAL DESIGNATIONS

- 1500** screw terminal with No. 6-32 plated steel\* screw accepting up to No. 10AWG wire
- 1500-ST** solderable tin-plated double solder tab
- 1500-3/4ST** solderable tin-plated single solder tab
- 1500-W** wire clamp captivated to a No. 6-32 plated steel screw

\* Other materials available – contact factory or your local representative for additional information.

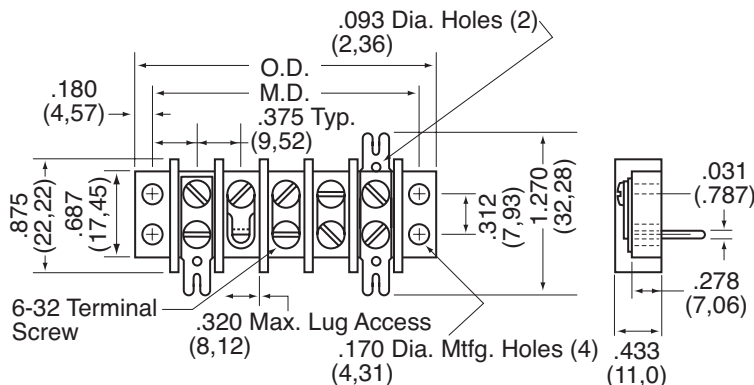


Recognized under the Components Program of Underwriters Laboratories, Inc. Standard 1059, Guide No. XCFR2, File No. E62557.



Guide No. 22.2 No. 158, Report No. LR39186-1. COMPLIES WITH IEC 947-7-1

## Series 1500 Dimensions



## Specifications:

**Center-to-Center Spacing:** .375" (9.52mm)

**Wire Range:** Up to No. 12AWG (CSA requires use of lugs on wire larger than No. 16AWG.)

**No. of Terminals:** 1 thru 22

### Voltage Rating:

CSA – 300V

UL – 150V – General Industrial

250V – Commercial Appliance

300V – Limited Energy Industrial

**Tightening Torque:** Wire Clamp and Wire Binding Screw 12 in.-lbs.

**Current Rating:** UL: 20 amps CSA: 15 amps

### Housing:

Material Polyphenylene Oxide

Continuous Use

Temp. (UL Index) 110°C (230°F)

Flammability Rating 94V-0

Water Absorption

(24 hrs. % wt. gain) .06%

Chemical Resistance Resistant to inorganic bases and acids. For organic substances contact factory for specific resistance.

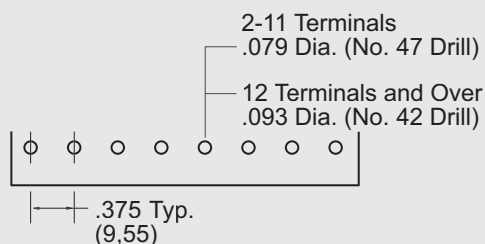
### Breakdown Voltage:

Terminal - Terminal 3,400V Typ.

Terminal - Ground 7,300V Typ.

*Note:* Specifications contained herein are subject to change without notice.

## PC BOARD DRILLING DIMENSIONS



## How to Order

1500 Series terminal blocks are ordered by listing a composite number made up of the model designation in which the last two digits indicate the number of poles required for the application. Example: A 1500 10-terminal block (3/8" centers) becomes stock number 1510.

Suffixes are used as follows:

ST denotes double solder lug

3/4ST denotes single solder lug

Y denotes printed circuit pin

YWY feed-thru wire wrap

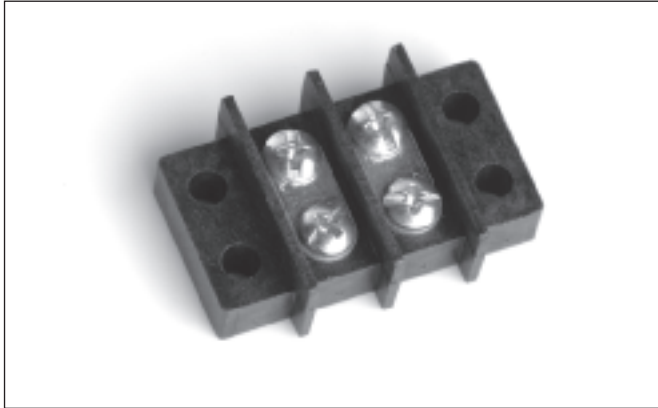
W wire clamp

The 1510 described above, with double solder lug mounting on 3/8" centers thus converts to stock number 1510-ST. To specify quick-connect terminals, simply add the style number required. (See accessories.) May be purchased factory-assembled or as customer-installed accessory.

| Number of Terminals | Mounting Dimensions |             | Overall Dimensions |             |
|---------------------|---------------------|-------------|--------------------|-------------|
|                     | Inches              | Metric (mm) | Inches             | Metric (mm) |
| 1                   | .750                | 19.05       | 1.030              | 26.16       |
| 2                   | 1.125               | 28.57       | 1.405              | 35.68       |
| 3                   | 1.500               | 38.10       | 1.780              | 45.21       |
| 4                   | 1.875               | 47.62       | 2.155              | 54.73       |
| 5                   | 2.250               | 57.15       | 2.530              | 64.26       |
| 6                   | 2.625               | 66.67       | 2.905              | 73.78       |
| 7                   | 3.000               | 76.20       | 3.280              | 83.31       |
| 8                   | 3.375               | 85.72       | 3.655              | 92.83       |
| 9                   | 3.750               | 95.25       | 4.030              | 102.36      |
| 10                  | 4.125               | 104.77      | 4.405              | 111.88      |
| 11                  | 4.500               | 114.30      | 4.780              | 121.41      |
| 12                  | 4.875               | 123.82      | 5.155              | 130.93      |
| 13                  | 5.250               | 133.35      | 5.530              | 140.46      |
| 14                  | 5.625               | 142.87      | 5.905              | 149.98      |
| 15                  | 6.000               | 152.40      | 6.280              | 159.51      |
| 16                  | 6.375               | 161.92      | 6.655              | 169.03      |
| 17                  | 6.750               | 171.45      | 7.030              | 178.56      |
| 18                  | 7.125               | 180.97      | 7.405              | 188.08      |
| 19                  | 7.500               | 190.05      | 7.780              | 197.61      |
| 20                  | 7.875               | 200.02      | 8.155              | 207.13      |
| 21                  | 8.250               | 209.55      | 8.530              | 216.66      |
| 22                  | 8.625               | 219.07      | 8.905              | 226.18      |

Dimensions Shown are  $\pm 0.030$ "

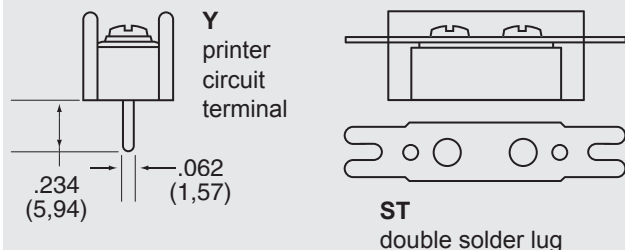
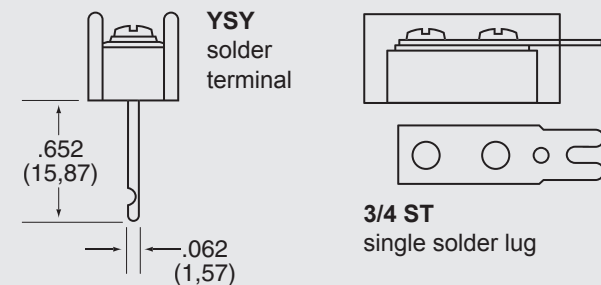
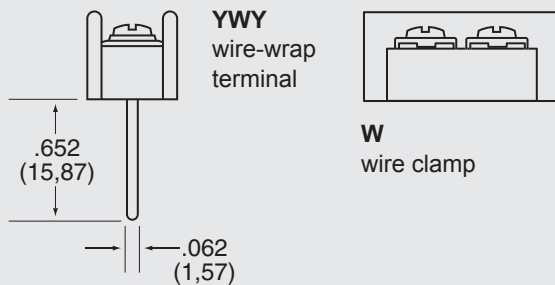
# Series 2000 .4375" (11.11mm) Center-to-Center Spacing



## Features:

- **Flexible Hi-Temp Thermoplastic Terminal Blocks** – Self-extinguishing types which resist breakage and other damage (conform to UL94V-0).
- **Terminal Flexibility** – Ideal for surface mount, sub-panel or chassis connections in electronic/electrical circuit applications. One thru 26 terminals.
- **Economical Closed-Back Design** – No need for costly insulation strip.
- **Broad Wire Range** – No. 6-32 external twin screws, UL recognized for No. 22AWG to No. 10AWG. Variations include double solder lug, single solder lug, wire wrap, solder pin and printed circuit pin.
- **UL/CSA Electrical Ratings** – UL 30A/1100V RMS (1/3 breakdown voltage), CSA rating: 20A/300.
- **Recognition and Listing** – Various terminal types are UL recognized and CSA certified.

## Series 2000 Variations



## INTERNAL TERMINAL DESIGNATIONS

|                 |                                                                           |
|-----------------|---------------------------------------------------------------------------|
| <b>2000-Y</b>   | printed circuit board design with .062" x .031" solderable tin-plated pin |
| <b>2000-YSY</b> | solder pin                                                                |
| <b>2000-YWY</b> | wire wrap                                                                 |

## EXTERNAL TERMINAL DESIGNATIONS

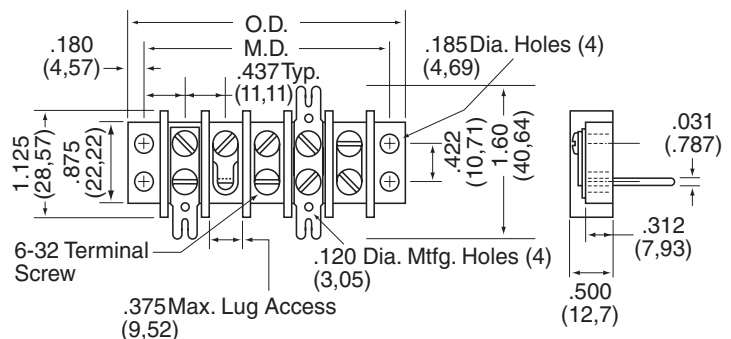
|                   |                                                                                 |
|-------------------|---------------------------------------------------------------------------------|
| <b>2000</b>       | screw terminal with No. 6-32 plated steel* screw accepting up to No. 10AWG wire |
| <b>2000-ST</b>    | solderable tin-plated double solder tab                                         |
| <b>2000-3/4ST</b> | solderable tin-plated single solder tab                                         |
| <b>2000-W</b>     | wire clamp captivated to a No. 6-32 plated steel screw                          |

\* Other materials available – contact factory or your local representative for additional information.

**UL** Recognized under the Components Program of Underwriters Laboratories, Inc. Standard 1059, Guide No. XCFR2, File No. E62557.

**CSA** Guide No. 22.2 No. 158, Report No. LR39186-1. COMPLIES WITH IEC 947-7-1

## Series 2000 Dimensions



Dual Row

BARRIER STYLE

## Specifications:

**Center-to-Center Spacing:** .4375" (11.11mm)

**Wire Range:** Up to No. 10AWG (CSA requires use of lugs on wire larger than No. 16AWG.)

**No. of Terminals:** 1 thru 26

### Voltage Rating:

CSA – 300V

UL – 150V – General Industrial

250V – Commercial Appliance

300V – Limited Energy Industrial

**Tightening Torque:** Wire Clamp and Wire Binding Screw 12 in.-lbs.

**Current Rating:** UL: 30 amps CSA: 20 amps

### Housing:

Material Polyphenylene Oxide

Continuous Use

Temp. (UL Index) 110°C (230°F)

Flammability Rating 94V-0

Water Absorption

(24 hrs. % wt. gain) .06%

Chemical Resistance Resistant to inorganic bases and acids. For organic substances contact factory for specific resistance.

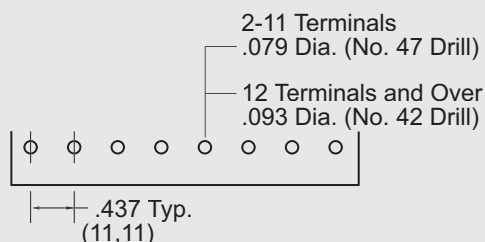
### Breakdown Voltage:

Terminal - Terminal 4,400V Typ.

Terminal - Ground 7,700V Typ.

*Note:* Specifications contained herein are subject to change without notice

## PC BOARD DRILLING DIMENSIONS



## How to Order

2000 Series terminal blocks are ordered by listing a composite number made up of the model designation in which the last two digits indicate the number of poles required for the application. Example: A 2000 10-terminal block becomes stock number 2010.

Suffixes are used as follows:

ST denotes double solder lug

3/4ST denotes single solder lug

Y denotes printed circuit pin

YSY solder pin

YWY wire wrap

W wire clamp

The 2010 described above, with double solder lug mounting on 7/16" centers thus converts to stock number 2010-ST. To specify quick-connect terminals, simply add the style number required. (See accessories.) May be purchased factory-assembled or as customer-installed accessory.

| Number of Terminals | Mounting Dimensions |             | Overall Dimensions |             |
|---------------------|---------------------|-------------|--------------------|-------------|
|                     | Inches              | Metric (mm) | Inches             | Metric (mm) |
| 1                   | .875                | 22.22       | 1.235              | 31.36       |
| 2                   | 1.312               | 33.33       | 1.672              | 42.48       |
| 3                   | 1.750               | 44.45       | 2.110              | 53.59       |
| 4                   | 2.187               | 55.56       | 2.547              | 64.70       |
| 5                   | 2.625               | 66.67       | 2.985              | 75.81       |
| 6                   | 3.062               | 77.78       | 3.422              | 86.93       |
| 7                   | 3.500               | 88.90       | 3.860              | 98.04       |
| 8                   | 3.937               | 100.01      | 4.297              | 109.15      |
| 9                   | 4.375               | 111.12      | 4.735              | 120.26      |
| 10                  | 4.812               | 122.23      | 5.172              | 131.38      |
| 11                  | 5.250               | 133.35      | 5.610              | 142.49      |
| 12                  | 5.687               | 144.46      | 6.047              | 153.60      |
| 13                  | 6.125               | 155.57      | 6.485              | 164.71      |
| 14                  | 6.562               | 166.68      | 6.922              | 175.83      |
| 15                  | 7.000               | 177.80      | 7.360              | 186.94      |
| 16                  | 7.437               | 188.91      | 7.797              | 198.05      |
| 17                  | 7.875               | 200.02      | 8.235              | 209.16      |
| 18                  | 8.312               | 211.13      | 8.672              | 220.28      |
| 19                  | 8.750               | 222.25      | 9.110              | 231.39      |
| 20                  | 9.187               | 233.36      | 9.547              | 242.50      |
| 21                  | 9.625               | 244.47      | 9.985              | 253.61      |
| 22                  | 10.062              | 255.58      | 10.422             | 264.73      |
| 23                  | 10.500              | 266.70      | 10.860             | 275.84      |
| 24                  | 10.938              | 277.83      | 11.299             | 286.77      |
| 25                  | 11.376              | 288.95      | 11.736             | 298.09      |
| 26                  | 11.814              | 300.08      | 12.174             | 309.22      |

Dimensions Shown are  $\pm 0.030$ "

## Series 1500/2000 Accessories

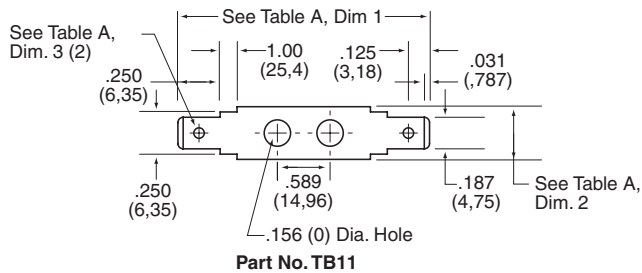
### QUICK-CONNECT TERMINALS

1500/2000 – Available with .187" x .202" quick-connect tabs for 1500 series; .250" x .032" for 2000 series. Nine styles . . . tin-plated brass tabs held in place by terminal screws. Up to six terminations per pole. To order, specify:

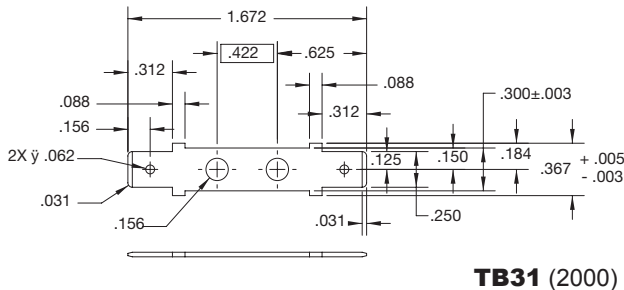
1500 Series: Part No. TB11-19

2000 Series: Part No. TB31-39

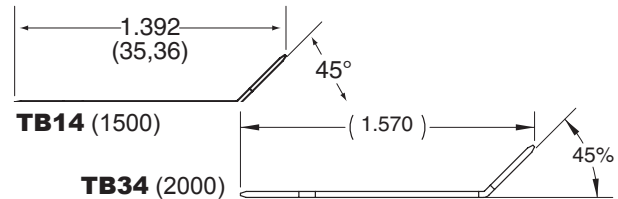
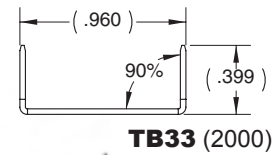
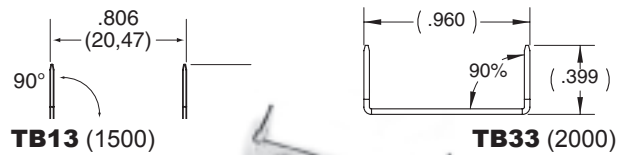
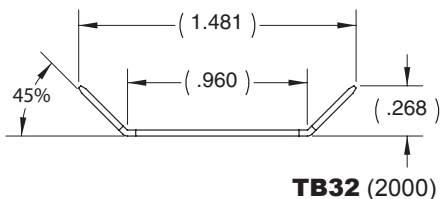
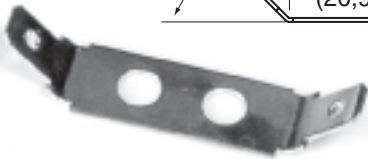
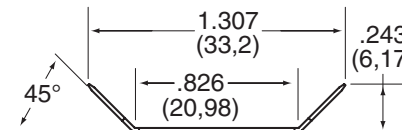
Last digit of part number corresponds to previous style numbers.



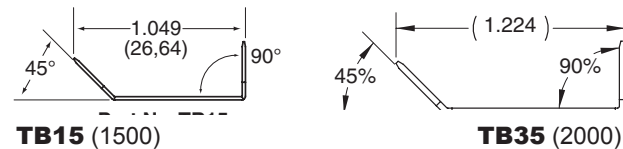
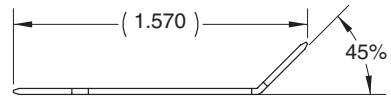
**TB11 (1500)**



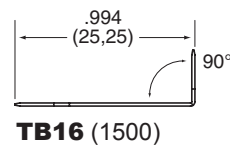
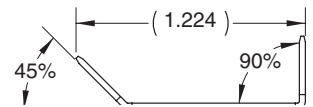
**TB12 (1500)**



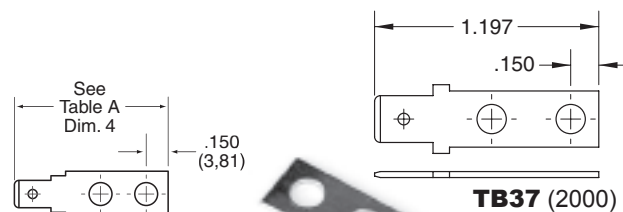
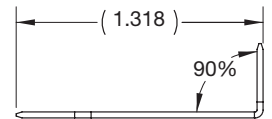
**TB34 (2000)**



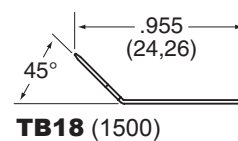
**TB35 (2000)**



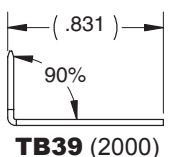
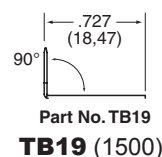
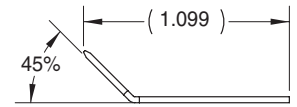
**TB36 (2000)**

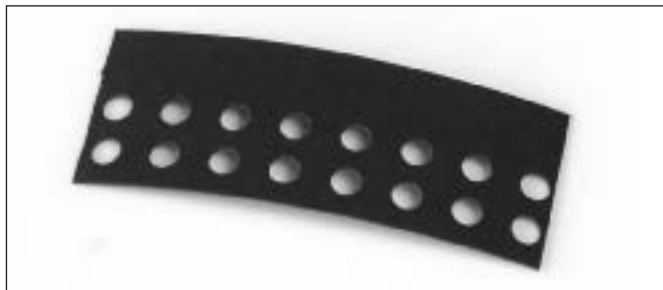


**TB37 (2000)**



**TB38 (2000)**





### MARKING STRIPS

1500/2000 Pre-punched black fiber . . . mounts under block.  
May be imprinted to customer specifications.

To order, specify:

1500 Series – Part No. 247A10-1 thru 22

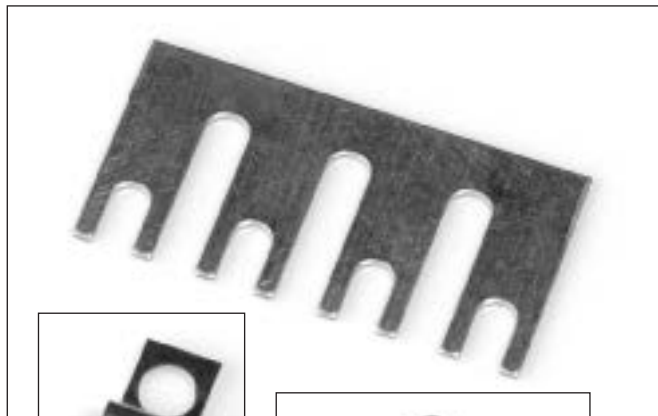
2000 Series – Part No. 247A11-1 thru 22

### WIRE CLAMP

1500/2000 – Wire clamp captivated to No. 6-32 screw eliminates need for lugs.

1500 Series – Part No. 058525700

2000 Series – Part No. 058526700



Part No.  
68240100



Part No. 68245100



### COVERS

1500/2000 – Rigid .030" thick self-extinguishing vinyl.  
Complete with spring clips for attaching to mounting positions.

To order, specify:

1500 Series – Part No. 247B24-1 thru 26 terminals

2000 Series – Part No. 247B25-1 thru 26 terminals

### TERMINAL BLOCK JUMPERS

1500 – Jumper is constructed of plated brass. "Rooster comb" design permits connections of two to 10 poles.

To order, specify: Part No. 278-A11 (plus no. of poles)

*Example: 278A11-10*

Part No. 68240100 (Holes) or 68245100 (slots)  
(2-pole jumper for 1500 only)

2000 – Plated brass in two styles. Types 267A28 is designed to jump two adjacent terminals as it is channeled to cross over the barrier top. "Rooster comb" design of Type 267A42 permits connections of two to 18 poles.

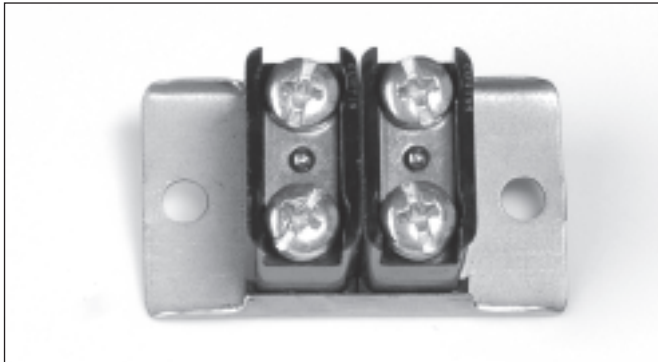
To order, specify: Part No. 267A42 (plus no. of poles)

*Example: 267A42-18*

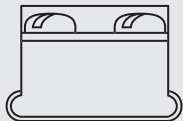
# Series M .5" (12.7mm) Center-to-Center Spacing

Dual Row

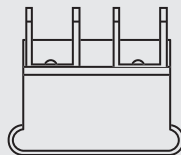
BARRIER STYLE



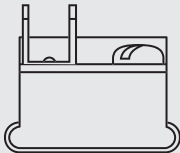
## Series M Variations



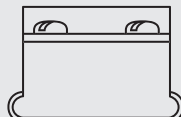
**MA**  
terminal bar with two  
No. 8-32 screws



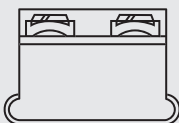
**MAQ**  
four .250" side  
quick-connects



**MALQ**  
two .250" wide quick-  
connects and one  
No. 8-32 screw



**M**  
terminal bar with two No.  
6-32 screws



**MC**  
terminal bar with two  
captivated clamp assemblies

## Features:

- **Compact Modular Design for Low Power Circuits** – Suitable for surface connection applications using channel-assembled modular construction.
- **All-Surface Mountability** – Requires no additional insulation. Electro tin-coated steel mounting channel has two .196" diameter mounting holes.
- **Thermo-Set Phenolic Barrier-Type Terminal Blocks** – One thru 24 terminals on 1/2" center-to-center spacing.
- **Broad Choice of Terminal Connections** – Available in three screw designs and two .250" wide quick-connect variations offering up to four connections per terminal.
- **Wire Sizes** – M Series (No. 6-32 screw) is UL recognized for No. 22AWG to No. 14AWG. MA Series (No. 8-32 screw) is UL recognized for No. 22AWG to No. 12AWG. CSA requires lugs on wire larger than No. 14AWG for Series MA, and CSA requires lugs on No. 16AWG for Series M.
- **Current/Voltage Rating** – MA Series 25A/300V, M Series 15A/300V
- **Recognition and Listing** – Various terminal types are UL recognized and CSA certified.

## TERMINAL DESIGNATIONS

- \***MA** 16-gauge (.051") brass terminal bar with two No. 8-32 plated steel screws per terminal accepting wire up to No. 12AWG
- \***MAQ** Four .250" x .032" brass quick-connect tabs per terminal accepting wire up to No. 12AWG
- \***MALQ** Two .250" x .032" brass quick-connect tabs and one No. 8-32 plated steel screw per terminal accepting wire up to No. 12AWG. Rated 25A/300V
- \***M** Brass terminal bar with two No. 6-32 plated steel screws per terminal accepting wire up to No. 14AWG
- \***MC** Brass terminal bar with two-piece No. 6-32 plated steel, captivated clamp assemblies per terminal accepting wire up to No. 14AWG



Recognized under the Components Program of Underwriters Laboratories, Inc. Standard 1059, Guide No. XCFR2, File No. E62557.



Guide No. 22.2 No. 158, Report No. LR39186-1.

## Specifications:

**Center-to-Center Spacing:** .5" (12.7mm)

### Wire Range:

UL Recognized

MA - No. 22AWG to 12 AWG

M - No. 22 AWG to 14 AWG

CSA:

Must use lugs for wire larger than

MA - 12 AWG

M - 16 AWG

**No. of Terminals:** 1 thru 24

### Voltage Rating:

CSA – 300V

UL – 150V – General Industrial

250V – Commercial Appliance

**Tightening Torque:** 12 in.-lbs.

**Current Rating:** UL and CSA: 15A (M), 25A (MA)

### Housing:

Material Phenolic

Continuous Use

Temp. (UL Index) 150°C (302°F)

Flammability Rating 94V-0

Water Absorption

(24 hrs. % wt. gain) .05%

Chemical Resistance Resistant to most organic solvents

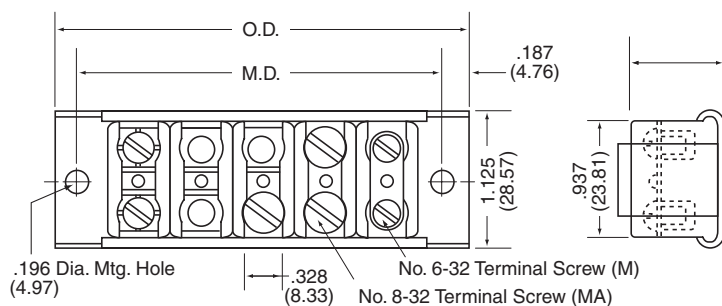
### Breakdown Voltage:

Terminal - Terminal 7,400V Typ.

Terminal - Ground 7,800V Typ.

*Note:* Specifications contained herein are subject to change without notice.

## Series M Dimensions



NOTE: mm dim. are shown in parentheses

## How to Order

M Series terminal blocks are ordered by listing a composite number made up of the model designation followed by the number of poles required for the application. Example: Type M 10-pole block becomes stock number M-10.

| Number of Terminals | Mounting Dimensions |             | Overall Dimensions |             |
|---------------------|---------------------|-------------|--------------------|-------------|
|                     | Inches              | Metric (mm) | Inches             | Metric (mm) |
| 1                   | 1.000               | 25.40       | 1.375              | 34.92       |
| 2                   | 1.500               | 38.10       | 1.875              | 47.62       |
| 3                   | 2.000               | 50.80       | 2.375              | 60.32       |
| 4                   | 2.500               | 63.50       | 2.875              | 73.00       |
| 5                   | 3.000               | 76.20       | 3.375              | 85.72       |
| 6                   | 3.500               | 88.90       | 3.875              | 98.42       |
| 7                   | 4.000               | 101.60      | 4.375              | 111.12      |
| 8                   | 4.500               | 114.30      | 4.875              | 123.82      |
| 9                   | 5.000               | 127.00      | 5.387              | 136.52      |
| 10                  | 5.500               | 139.70      | 5.875              | 149.22      |
| 11                  | 6.000               | 152.40      | 6.375              | 161.92      |
| 12                  | 6.500               | 165.10      | 6.875              | 174.62      |
| 13                  | 7.000               | 177.80      | 7.375              | 187.32      |
| 14                  | 7.500               | 190.50      | 7.875              | 200.02      |
| 15                  | 8.000               | 203.20      | 8.375              | 212.72      |
| 16                  | 8.500               | 215.90      | 8.875              | 225.42      |
| 17                  | 9.000               | 228.60      | 9.375              | 238.12      |
| 18                  | 9.500               | 241.30      | 9.875              | 250.82      |
| 19                  | 10.000              | 254.00      | 10.375             | 263.52      |
| 20                  | 10.500              | 266.70      | 10.875             | 276.22      |
| 21                  | 11.000              | 279.40      | 11.375             | 288.92      |
| 22                  | 11.500              | 292.10      | 11.875             | 301.62      |
| 23                  | 12.000              | 304.80      | 12.375             | 314.32      |
| 24                  | 12.500              | 317.50      | 12.875             | 327.02      |

Dimensions shown are  $\pm 0.030$ "

## Series M Accessories

### COVER

Plain cover of 1/16" thick black bakelite with two mounting studs. Supplied loose for customer installation.

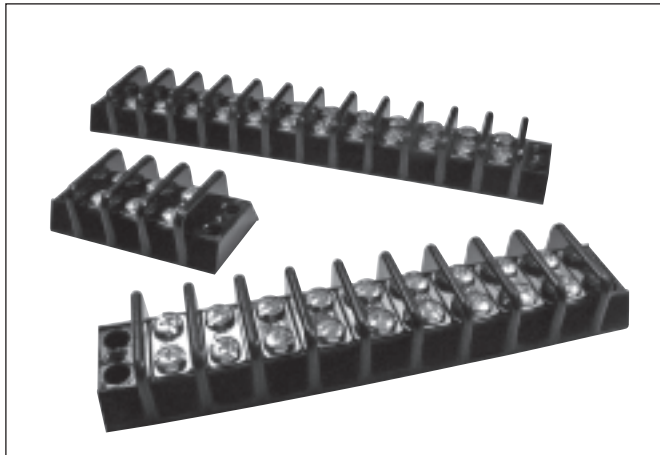
### JUMPER

Brass jumper rates at 25 amps.

Part No. 258-A5



# Series 5600 .563" (14.29mm) Center-to-Center Spacing



## Features:

- Durable, Hi-Temp, phenolic is self-extinguishing, resists breakage and conforms to UL94V-0
- Terminal Flexibility is ideal for surface mount, sub-panel or chassis connections. One thru 22 terminals. 9/16" center-to-center spacing.
- Economical Closed-Back Design does not require costly insulation strip
- Broad Wire Range using 8-32 or 10-32 external twin screws, UL recognized for No. 22 AWG to No. 10 AWG. Variations include double solder lug, single solder lug, wire wrap and printed circuit pin
- UL Electrical Ratings  
50Amp up to 600VAC dependent on options
- Field Wiring to 40A
- Factory Wiring to 50A
- Recognition  
Various terminal types are UL recognized and CSA certified.



UL Standard 1059,  
Guide No. XCFR2

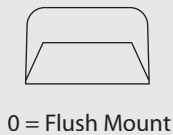


CSA Guide  
22.2 No. 158

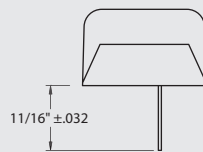


Designed to meet IEC 947-7-1

## Series 5600 Variations

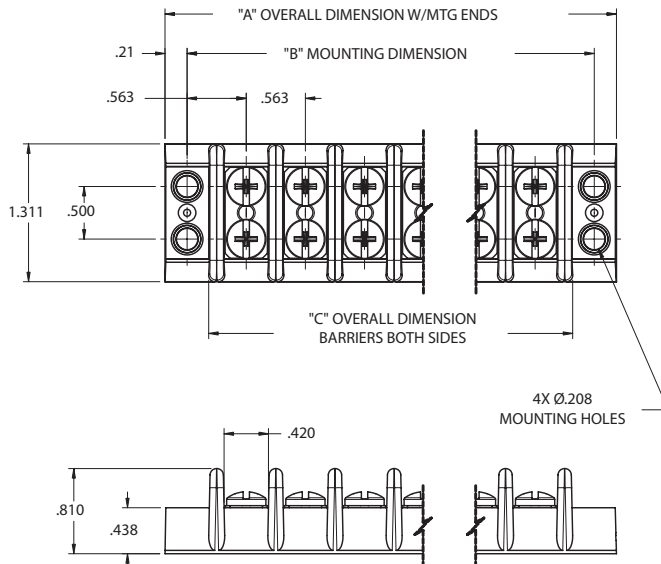


0 = Flush Mount

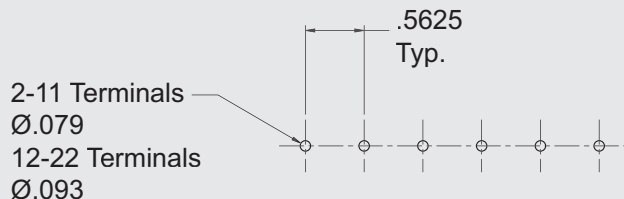


1 = Turret Type Solder Terminal

## Series 5600 Dimensions



## PC BOARD DRILLING DIMENSIONS



## Specifications:

**Center-to-Center Spacing:** .563" (14.29mm)

**Wire Range:** No. 22AWG to No. 8AWG (No. 8 with ring lug for #10 screw only)

**No. of Terminals:** 1 thru 22

**Voltage Rating:** 600V

**Tightening Torque:** 16 in.-lbs. with #8 screws  
20 in.-lbs. with #10 screws

### Current Rating:

50A with #8 or #10 screw and ring lug  
40A with #10 screw  
35A with #8 Screw  
(Options may affect current rating)

### Housing:

|                      |               |
|----------------------|---------------|
| Material             | Phenolic      |
| Continuous Use       |               |
| Temp. (UL Index)     | 150°C (302°F) |
| Flammability Rating  | 94V-0         |
| Water Absorption     |               |
| (24 hrs. % wt. gain) | .1%           |

### Breakdown Voltage:

|                     |            |
|---------------------|------------|
| Terminal - Terminal | 7,500 Vrms |
| Terminal - Ground   | 6,000 Vrms |

Dual Row

BARRIER STYLE

## How to Order

56 0 0 0 0 00 0

### MOLDING DESIGN

- 1 = Barriers Both Sides
- 2 = w/ Mounting Ends
- 3 = Y Pin with Barriers
- 4 = Y Pin with Mounting Ends
- 5 Thru 9 to be assigned.

### TERMINATION DESIGN

| Part No. Digit                 | Terminal Plate Type | Screw Type | Approval | *Field/Factory |
|--------------------------------|---------------------|------------|----------|----------------|
| 0 =                            | STEEL               | STEEL      | UR/cUR   | 2              |
| 1 =                            | STEEL               | **BRASS    | UR       | 1              |
| ** SEMS NOT AVAILABLE IN BRASS |                     |            |          |                |
| *1 = FACTORY WIRING ONLY       |                     |            |          |                |
| 2 = FACTORY & FIELD WIRING     |                     |            |          |                |

### SCREW SIZE

- 0 = 8-32 Thread
- 1 = 10-32 Thread

### SPECIALS OR OPTIONAL DESIGNS

- 0 = None
- 1 = Double Tab, Flat (TB91)
- 2 = Double Tab, 45° Bend (TB92)
- 3 = Double Tab, 90° Bend (TB93)
- 7 = Single Tab, Flat (TB97)
- 8 = Single Tab, 45° Bend (TB98)
- 9 = Single Tab, 90° Bend (TB99)
- A thru Z to be assigned by engineering for special configurations (optional jumper available)

### NUMBER OF POLES AVAILABLE

- Available
- 01-22 w/ Mounting Ends
- 01-22 w/ Barriers Both Ends

### SCREW TYPE

- 0 = Binder Head, Combo Slot, Zinc Plated, Steel
- 2 = Binder Head, Combo Slot, Nickel Plated, Brass
- 4 = Wire Clamp Sems, Combo Slot, Zinc Plated, Steel
- 6 = Quick Connect Tabs Supplied w/ Binder Head (see special options)

| Number of Terminals | Dimensions                                  |                             |
|---------------------|---------------------------------------------|-----------------------------|
|                     | "A" (Min-Max) Overall Dim. w/ Mounting Ends | "B" (Min-Max) Mounting Dim. |
| 1                   | 1.551–1.539                                 | 1.131–1.119                 |
| 2                   | 2.116–2.100                                 | 1.694–1.682                 |
| 3                   | 2.680–2.660                                 | 2.258–2.242                 |
| 4                   | 3.245–3.221                                 | 2.823–2.803                 |
| 5                   | 3.809–3.781                                 | 3.387–3.363                 |
| 6                   | 4.374–4.342                                 | 3.952–3.924                 |
| 7                   | 4.938–4.902                                 | 4.516–4.484                 |
| 8                   | 5.503–5.463                                 | 5.081–5.045                 |
| 9                   | 6.067–6.023                                 | 5.645–5.605                 |
| 10                  | 6.632–6.584                                 | 6.210–6.166                 |
| 11                  | 7.196–7.144                                 | 6.774–6.726                 |
| 12                  | 7.761–7.705                                 | 7.339–7.287                 |
| 13                  | 8.325–8.265                                 | 7.903–7.847                 |
| 14                  | 8.888–8.828                                 | 8.468–8.408                 |
| 15                  | 9.452–9.388                                 | 9.030–8.970                 |
| 16                  | 10.017–9.949                                | 9.595–9.531                 |
| 17                  | 10.581–10.509                               | 10.159–10.091               |
| 18                  | 11.146–11.070                               | 10.724–10.652               |
| 19                  | 11.710–11.630                               | 11.288–11.212               |
| 20                  | 12.273–12.193                               | 11.853–11.773               |
| 21                  | 12.837–12.753                               | 12.415–12.335               |
| 22                  | 13.402–13.314                               | 12.978–12.898               |

Dimensions shown are ± 0.030"



Double Sided

Single Sided

TB91

TB97

TB92

TB98

TB93

TB99

### Series 5600 Accessories

#### QUICK CONNECT TERMINALS

.250" x .032" quick connect tabs available in 6 different styles. Tin-plated brass tabs are held in place by terminal screws. Terminal blocks can accommodate 1 to 6 terminations per pole. Factory assembled or shipped bulk.

#### WIRE CLAMPS

Wire clamp captivated screws eliminate the need for lugs. Available for both 8-32 & 10-32 thread options, these screws accept up to No. 10AWG wire and may be factory installed or shipped bulk.

#### TERMINAL BLOCK JUMPERS

Jumpers constructed of plated brass permit connections of 2 poles



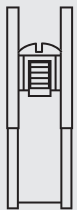
# Series SW & DSW .375" (9.52mm) Center-to-Center Spacing

High Voltage/Current

BARRIER STYLE

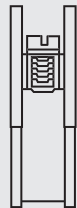


## Series SW & DSW Variations and Terminal Designations



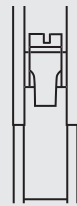
### SWS & DSWS

Brass terminal bars with No. 6-32 terminal screws. Accepts wire up to No. 14AWG. Requires the use of lugs.



### SWT & DSWT

Solderless electro-tinned tubular connector with No. 10-32 terminal screws. Accepts wire from No. 16AWG to No. 8AWG.



### SWTC & DSWTC

Solderless electro-tinned tubular connector with No. 10-32 terminal screws captivated by traveling pressure pad. Accepts wire from 22AWG to No. 8AWG.

Note: All variations as illustrated at left in two or three terminal modules only.

## Features:

- **Snap-In Track-Type Concept** – To assemble two or three-pole modules simultaneously, simply insert one edge of the module under the flange of the track and with very little pressure snap into place. To remove, push center section of spring toward molding. Module will “pop free.”
- **Total Modular Principle** – Two and three-pole nylon modules are complete with white fiber marking strips and retaining springs.
- **Reduced Inventory** – No end moldings, mounting brackets or metal mounting clamps are needed for assembly.
- **Compact Design** – 3/8" center-to-center terminals provide compact circuit density. 32 poles per foot – 192 per six foot length.
- **Terminal Flexibility** – Three different terminal variations are available. Ratings up to 50A/600V.
- **Durable Modular Construction** – All SW models feature moldings of break-resistant nylon.
- **May be pre-assembled on track**
- **Wire Sizes** – Types SWS strap screw terminal with No. 6-32 screws. UL recognized for No. 22AWG to No. 14AWG. Type SWT tubular terminal with No. 10-32 screws. UL recognized for No. 16AWG to No. 8AWG. Type SWTC tubular clamp terminal with No. 10-32 screws. UL recognized for No. 22AWG to No. 8AWG.
- **Recognition and Listing** – UL recognized and CSA certified

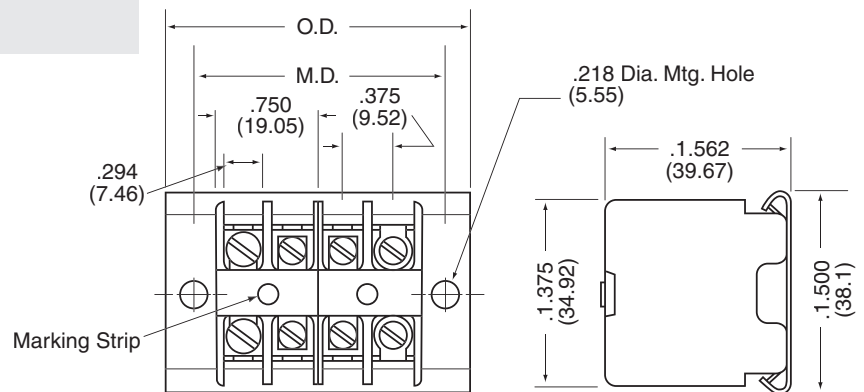


Recognized under the Components Program of Underwriters Laboratories, Inc. Standard 1059, Guide No. XCFR2, File No. E62557.



Guide No. 22.2 No. 158, Report No. LR39186-1.

## Series SW Dimensions



NOTE: mm dim. are shown in parentheses

## Specifications:

**Center-to-Center Spacing:** 3/8" (9.52mm)

### Wire Range:

SWS & DSWS – No. 22AWG to No. 14AWG –  
requires use of lugs

SWT & DSWT – No. 16AWG to No. 8AWG

SWTC & DSWTC – No. 22AWG to No. 8AWG

**No. of Terminals:** 2 thru 192

**Voltage Rating:** CSA & UL: 600V

### Tightening Torque:

SWS & DSWS 12 in.-lb.

SWT & DSWT 25 in.-lb.

SWTC & DSWTC 25 in.-lb.

**Current Rating:** SWS: 25A, SWT & SWTC: 50A

### Housing:

Material Polyamide

Continuous Use

Temp. (UL Index) 125°C (257°F)

Flammability Rating 94V-2

Water Absorption

(24 hrs. % wt. gain) 1.5%

Chemical Resistance Outstanding resistance to both  
organic and inorganic substances

### Breakdown Voltage: SWS/DSWS SWT/DSWT SWTC/DSWTC

Terminal - Terminal 7,000V Typ. 4,700V Typ. 4,900V Typ.

Terminal - Ground 8,400V Typ. 8,200V Typ. 9,300V Typ.

*Note:* Specifications contained herein are subject to change  
without notice.

## How to Order

SW and DSW Series modules are ordered by listing a  
composite number made up of the model designation  
preceded by the number of poles per module.

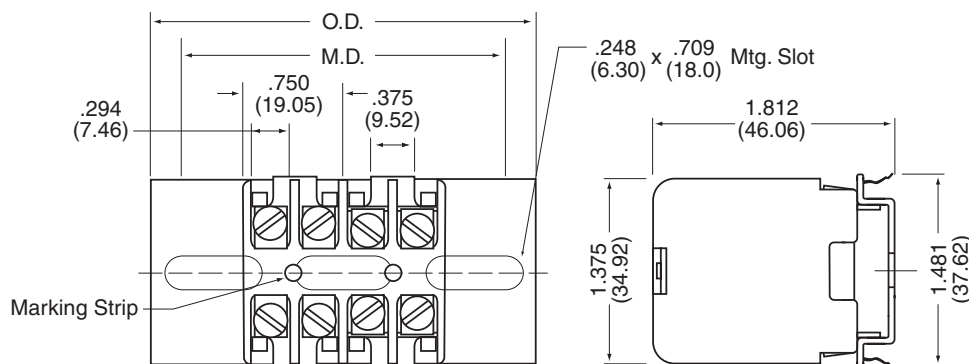
Prefixes are used as follows:

2P denotes 2-pole module

3P denotes 3-pole module

Example: a 2-pole SWT module becomes stock number  
2PSWT; a 3-pole module becomes 3PSWT.

## Series DSW Dimensions



NOTE: mm dim. are shown in parentheses

Call factory for mounting dimensions on other lengths.

## Series SW and DSW Accessories

### MARKING STRIPS

White fiber marking strip available in two or three-pole lengths  
or in pre-punched 100-ft. rolls.

To order, specify:

Part No. 275A8 2PSW

Part No. 275A9 3PSW

100-ft. Rolls – Part No. 20SW Coil

Pins – Part No. 21SW Pin



### TERMINAL JUMPER CONNECTS

Brass jumper connects 12 consecutive terminals and can be  
cut for shorter applications

Part No. 275-A14.

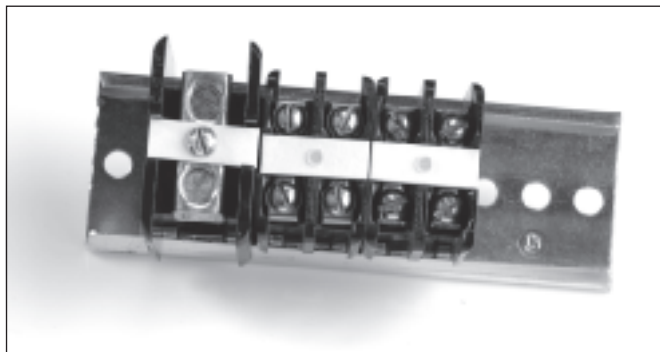
Type 275-A16 is designed to  
connect two adjacent terminals.



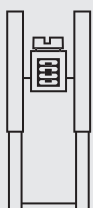
# Series W 7/16" (11.11mm) Center-to-Center Spacing

High Voltage/Current

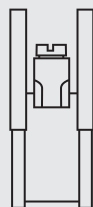
BARRIER STYLE



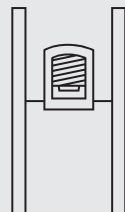
## Series W Variations and Terminal Designations



**WT** Solderless electro-tinned tubular connector with No. 10-32 terminal screws. Accepts wire from No. 16AWG to No. 8AWG. Rated 50A/600V.

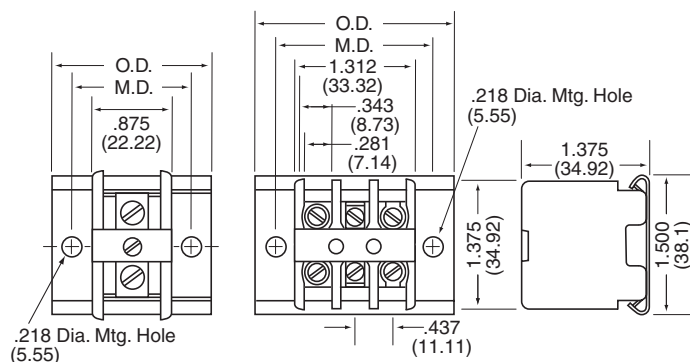


**WTC** Solderless electro-tinned tubular connector with No. 10-32 terminal screws capitated by traveling pressure pad. Accepts wire from No. 22AWG to No. 8AWG. Rated 50A/600V



**WH** Solderless electro-tinned tubular connector with sidewall tapped for 5/16" - 24 terminal screw. Accepts wire from No. 22AWG to No. 4AWG. Rated 75A/600V.

## Series W Dimensions



## Features:

- **Snap-In Track-Type Concept** – To assemble two or three-pole modules simultaneously, simply insert one edge of the module under the flange of the track and with very little pressure snap into place. To remove, push center section of spring toward molding. Module will “pop free.”
- **Total Modular Principle** – Two and three-pole phenolic modules are complete with white fiber marking strips and retaining springs.
- **Reduced Inventory** – No end moldings, mounting brackets or metal mounting clamps are needed for assembly.
- **Compact Design** – 7/16" center-to-center terminals provide compact circuit density. 164 poles per six foot length.
- **Terminal Flexibility** – Three different terminal variations are available. Ratings up to 75A/600V.
- **Durable Modular Construction** – All W models feature rugged thermo-set phenolic moldings.
- **May be pre-assembled on track**
- **Wire Sizes** – Types WT with No. 10-32 tubular terminal screws UL recognized for No. 16AWG to No 8AWG. Type WTC tubular clamp terminal with No. 10-32 screws UL recognized for No. 22AWG to No. 8AWG. Type WH with 5/16-24 terminal screws UL recognized for No. 22AWG to No. 4AWG.
- **Recognition and Listing** – UL recognized and CSA certified



Recognized under the Components Program of Underwriters Laboratories, Inc. Standard 1059, Guide No. XCFR2, File No. E62557.



Guide No. 22.2 No. 158, Report No. LR39186-1.

## How to Order

W Series modules are ordered by listing a composite number made up of the model designation preceded by a prefix which indicates the number of poles per module.

Prefixes are used as follows:

- P denotes 1-pole module
- 2P denotes 2-pole module

Example: a 2-pole WT module becomes stock number 2PWT and a WH Type available as single terminal module only is referred to as PWH.

## Specifications:

**Center-to-Center Spacing:** 7/16" (11.11mm)

**Wire Range:**

WT – No. 16AWG to No. 8AWG

WTC – No. 22AWG to No. 8AWG

WH – No. 22AWG to No. 4AWG

**No. of Terminals:** 2 thru 164

**Voltage Rating:** CSA & UL: 600V

**Tightening Torque:**

WT, WTC 25 in.-lb.

WH 45 in.-lb. (4-6AWG)

40 in.-lb. (8AWG)

35 in.-lb. (10-14 AWG)

**Current Rating:** WT, WTC: 50A, WH: 75A

**Housing:**

Material Phenolic

Continuous Use

Temp. (UL Index) 150°C (302°F)

Flammability Rating 94V-1

Water Absorption

(24 hrs. % wt. gain) 0.5%

Chemical Resistance Resistant to most organic solvents

| <b>Breakdown Voltage:</b> | <b>WT</b>    | <b>WTC</b>   | <b>WH</b>    |
|---------------------------|--------------|--------------|--------------|
| Terminal - Terminal       | 6,300V Typ.  | 5,100V Typ.  | 10,500V Typ. |
| Terminal - Ground         | 10,100V Typ. | 10,100V Typ. | 7,700V Typ.  |

*Note:* Specifications contained herein are subject to change without notice.

## Series W Accessories

### MARKING STRIPS

White fiber marking strip available in two or three-pole lengths or in pre-punched 100-ft. rolls.

To order, specify:

Part No. 271A11 (2PW)

Part No. 271A13 (3PW)

100-ft. Rolls – Part No. 20W

Pins – Part No. 21W



### TERMINAL JUMPER CONNECTS

Brass jumper connects 12 consecutive terminals and can be cut for shorter applications. Part No. 271-A72

Type 275-A16 is designed to connect two adjacent terminals of WT and WTC assemblies.

Part No. 275-A16



## Tracks

### Features:

- **STURDY TRACK** – constructed of heavy steel with zinc-dichromate plating. Mounting holes are 7/32 inch diameter and provided continuously on 3/8 inch center-to-center spacing (SW Series) and 7/16 inch centers (W Series). DIN mounting holes are slots .248" wide by .709" long on .984" center-to-center spacing.
- **ECONOMICAL STANDARD LENGTHS** – mounting track available in three and six-foot pre-cut lengths for self-cutting to application needs. DIN track available in two meter (78.74") lengths.
- **PRE-CUT TRACK** – available for large volume work where identical lengths are used. Save cutting time in your plant.
- **SW, DSW, W AND DW SERIES COMPATIBILITY** – track accommodates both W and SW Series of snap-in track type modules with any combination of terminal assemblies, fuse blocks, etc. DIN track accommodates DW and DSW Series modules.

### How to Order

When ordering non-DIN track to a specified size, simply designate model followed by length required, expressed in poles. Example: SW with space for 24 poles plus two mounting holes becomes stock number SW-24. For standard three and six foot lengths, simply designate model followed by 96 or 192 respectively (SW Series) or 82/164 (W Series). Examples: SW-96 or SW-192; W-82 or W-164. For DIN track, specify DT and length of track desired (in 2.5 centimeter increments). For example, DT-10 designates DIN track 10 centimeters in length. Dimensions are  $\pm .10$  cm.

Fuse blocks, knife switches and WH Type terminal assemblies are the same width as two-pole W modules and therefore require twice the space of a single pole W.

# Type CDM 35/64" (13.86mm) Center-to-Center Spacing

High Voltage/Current

BARRIER STYLE



## Features:

- **Versatile Medium Power Terminal Blocks** – Designed for surface mount; power and control applications requiring a wide range of terminal variations.
- **Sectional Thru-Bolt Construction** – Available in one thru 50 terminals on 35/64" center-to-center spacing. Rated 30A/600V for Type CDM.
- **Durable Break-Resistant Thermoplastic Moldings**
- **Wire Sizes** – Type CDM features brass terminal bar with two No. 10-32 washer-head screws. UL recognized for No. 22AWG to No. 10AWG.
- **Easy Circuit Identification Design** – Barrer-type terminals are furnished with a white fiber marking strip.
- **Recognition and Listing** – Various terminal types are UL recognized and CSA certified

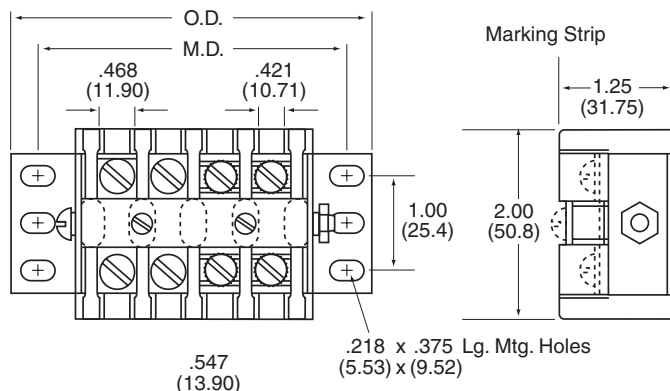
## Type CDM Terminal Designation



**CDM** brass terminal bar with two No. 10-32 washer-head screws accepting wire up to No. 10AWG. Rated 30A.

## Type CDM Dimensions

NOTE: mm dim. are shown in parentheses



## Specifications:

**Center-to-Center Spacing:** 35/64" (13.86mm)

### Wire Range:

CDM: UL Recognized for 22AWG to No. 10AWG

**No. of Terminals:** 1 thru 50

**Voltage Rating:** CSA & UL: 600V

**Tightening Torque:** 35 in.-lb.

**Current Rating:** CDM: 30 amps, UL and CSA.

### Housing:

|                      |                                |
|----------------------|--------------------------------|
| Material             | Thermoplastic-polyester        |
| Continuous Use       |                                |
| Temp. (UL Index)     | 130°C (266°F)                  |
| Flammability Rating  | 94V-0                          |
| Water Absorption     |                                |
| (24 hrs. % wt. gain) | 0.7%                           |
| Chemical Resistance  | Excellent in most environments |

### Breakdown Voltage: CDM

|                     |              |
|---------------------|--------------|
| Terminal - Terminal | 9,600V Typ.  |
| Terminal - Ground   | 10,800V Typ. |

*Note:* Specifications contained herein are subject to change without notice.



Recognized under the Components Program of Underwriters Laboratories, Inc. Standard 1059, Guide No. XCFR2, File No. E62557.



Guide No. 184-N-90, Report No. LR39186-1.

| Number of Terminals | Mounting Dimensions |             | Overall Dimensions |             |
|---------------------|---------------------|-------------|--------------------|-------------|
|                     | Inches              | Metric (mm) | Inches             | Metric (mm) |
| 1                   | 1.625               | 42.48       | 2.346              | 59.59       |
| 2                   | 2.220               | 56.38       | 2.896              | 73.56       |
| 3                   | 2.767               | 70.28       | 3.441              | 87.40       |
| 4                   | 3.314               | 84.18       | 3.988              | 101.30      |
| 5                   | 3.861               | 98.08       | 4.535              | 115.19      |
| 6                   | 4.409               | 111.98      | 5.083              | 129.11      |
| 7                   | 4.956               | 125.88      | 5.630              | 143.00      |
| 8                   | 5.503               | 139.78      | 6.177              | 156.90      |
| 9                   | 6.050               | 153.68      | 6.724              | 170.79      |
| 10                  | 6.598               | 167.58      | 7.272              | 184.71      |

Dimensions shown are ± 0.030"

| Number of Terminals | Mounting Dimensions |             | Overall Dimensions |             |
|---------------------|---------------------|-------------|--------------------|-------------|
|                     | Inches              | Metric (mm) | Inches             | Metric (mm) |
| 11                  | 7.145               | 181.48      | 7.819              | 198.60      |
| 12                  | 7.692               | 195.38      | 8.366              | 212.50      |
| 13                  | 8.239               | 209.28      | 8.913              | 226.39      |
| 14                  | 8.787               | 223.18      | 9.461              | 240.31      |
| 15                  | 9.334               | 237.08      | 10.008             | 254.20      |
| 16                  | 9.881               | 250.98      | 10.555             | 268.10      |
| 17                  | 10.428              | 264.88      | 11.102             | 281.99      |
| 18                  | 10.976              | 278.78      | 11.650             | 295.91      |
| 19                  | 11.523              | 292.68      | 12.197             | 309.80      |
| 20                  | 12.070              | 306.58      | 12.744             | 323.70      |
| 21                  | 12.617              | 320.48      | 13.291             | 337.59      |
| 22                  | 13.165              | 334.38      | 13.839             | 351.51      |
| 23                  | 13.712              | 348.28      | 14.386             | 365.40      |
| 24                  | 14.259              | 362.18      | 14.933             | 379.30      |
| 25                  | 14.806              | 376.08      | 15.480             | 393.19      |
| 26                  | 15.354              | 389.98      | 16.028             | 407.11      |
| 27                  | 15.901              | 403.88      | 16.575             | 421.01      |
| 28                  | 16.448              | 417.78      | 17.122             | 434.90      |
| 29                  | 16.995              | 431.68      | 17.669             | 448.79      |
| 30                  | 17.543              | 445.58      | 18.217             | 462.71      |
| 31                  | 18.090              | 459.48      | 18.764             | 476.61      |
| 32                  | 18.637              | 473.38      | 19.311             | 490.50      |
| 33                  | 19.184              | 487.28      | 19.858             | 504.39      |
| 34                  | 19.732              | 501.18      | 20.406             | 518.31      |
| 35                  | 20.279              | 515.08      | 20.953             | 532.21      |
| 36                  | 20.826              | 528.98      | 21.500             | 546.10      |
| 37                  | 21.373              | 542.88      | 22.047             | 559.99      |
| 38                  | 21.921              | 556.78      | 22.595             | 573.91      |
| 39                  | 22.468              | 570.68      | 23.142             | 587.81      |
| 40                  | 23.015              | 584.58      | 23.689             | 601.70      |
| 41                  | 23.562              | 598.48      | 24.236             | 615.59      |
| 42                  | 24.110              | 612.38      | 24.784             | 629.51      |
| 43                  | 24.657              | 626.28      | 25.331             | 643.41      |
| 44                  | 25.204              | 640.18      | 25.878             | 657.30      |
| 45                  | 25.751              | 654.08      | 26.425             | 671.20      |
| 46                  | 26.299              | 667.98      | 26.973             | 685.11      |
| 47                  | 26.846              | 681.88      | 27.520             | 699.01      |
| 48                  | 27.393              | 695.78      | 28.067             | 712.90      |
| 49                  | 27.940              | 709.68      | 28.614             | 726.80      |
| 50                  | 28.488              | 723.50      | 29.162             | 740.71      |

Dimensions shown are  $\pm 0.030$ "

## How to Order

Type CDM terminal blocks are ordered by listing a composite number made up of the model designation followed by the number of poles required for the application. Example: 10-pole terminal block becomes stock number CDM-10.

### Series CDM Accessories

#### MARKING STRIPS

Two cover styles. Hinged cover of 3/16" thick black bakelite pivoting from special end brackets provide ready access to block. Factory-assembled and available only with original terminal block order. Plain cover of 1/16" thick black bakelite is permanently positioned to block with two screws. Factory-assembled or customer-installed.

To order, specify:

CDM (Plain) – Part No. 265A61 – 1 thru 50 terminals

CDM (Hinged) – Part No. 265A67 – 1 thru 50 terminals

#### JUMPERS

Cooper jumper rated 30A. Designed to fold over barrier to connect adjacent terminals. To order, specify:

Part No. 523-A91

# High Voltage/Current

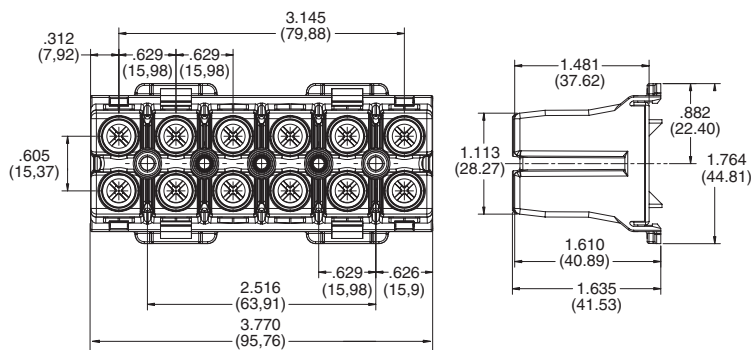
## BARRIER STYLE



- RL**



## Series 71000 6-Pole Dimensions

**Terminals:** 2, 3, 5 or 6

## How to Order

71 0 2 X 000

### NUMBER OF POSITIONS

1, 2, 3, 5 or 6, Number of Active Poles

### SPECIALS OR OPTIONAL DESIGNS

0 = None

A-Z = Custom Configuration

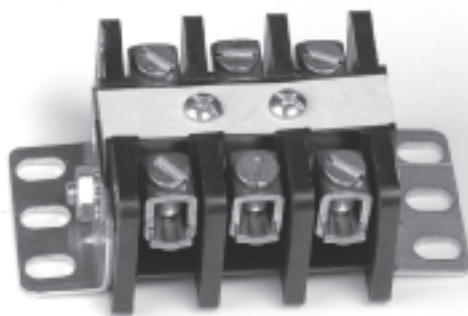
High Voltage/Current

BARRIER STYLE

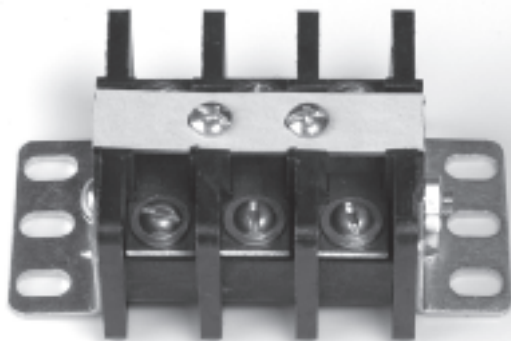
# Types H & BT .652" (16.56mm) Center-to-Center Spacing

High Voltage/Current

BARRIER STYLE

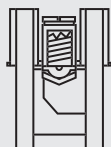


**TYPE H**



**TYPE BT**

## Types H & BT Terminal Variations



**H**  
high-pressure  
solderless connector



**BT**  
terminal bar with two  
No. 10-32 screws

## Features:

- **Sectional, High and Medium Power Terminal Blocks** – Designed for high power applications and control/power circuits respectively. Units approach power ratings of larger terminal blocks while retaining increased circuit density of low power designs.
- **Broad Terminal Choice** – One thru 30 terminals on .652" center-to-center spacing with white fiber circuit marking strips.
- **Thru-Bolt Barrier-Type Construction** – Rated at 75A/600V for Type H; 30A/600V for Type BT.
- **Unique Bar and Traveling Collar Design** – Eliminates lugging of wire on Type H. UL recognized for No. 16AWG to No. 4AWG. Type BT uses two No. 10-32 terminal screws, UL recognized for No. 22AWG to No. 10AWG.
- **Combined Style Flexibility** – Types can be used in combination as well as be combined with types L, O, S, T & U for greater application flexibility.
- **Recognition and Listing** – UL recognized and CSA certified



Recognized under the Components Program of Underwriters Laboratories, Inc. Standard 1059, Guide No. XCFR2, File No. E62557.

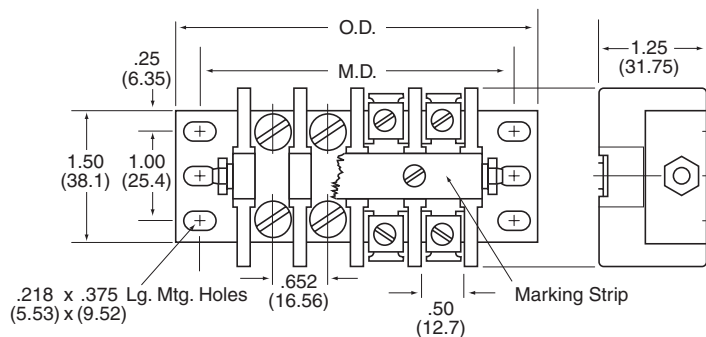


Guide No. 184-N-90, Report No. LR39186-1.

## TERMINAL DESIGNATIONS

- H** Brass bar with high-pressure solderless connectors accepting wire from No. 16AWG to 4AWG.
- BT** Brass terminal bar with two No. 10-32 plated steel terminal screws accepting wire up to No. 10AWG.

## Types H & BT Dimensions



NOTE: mm dim. are shown in parentheses

## Specifications:

**Center-to-Center Spacing:** .652" (16.56mm)

**Wire Range:**

H: UL Recognized for 16AWG to No. 4AWG

HT: UL Recognized for 22AWG to No. 10AWG

**No. of Terminals:** 1 thru 30

**Voltage Rating:** CSA: 600V

UL: 600V General Industrial

**Tightening Torque:**

H: 45 in.-lb. (4WG to 6AWG)

40 in.-lb. (8AWG)

35 in.-lb. (10AWG to 16AWG)

BT: 20 in. - lbs.

**Current Rating:** H: 75 amps

BT: 30 amps, UL and CSA.

**Housing:**

Material Thermoplastic-Polyester

Continuous Use

Temp. (UL Index) 130°C (266°F)

Flammability Rating 94V-0

Water Absorption

(24 hrs. % wt. gain) 0.7%

Chemical Resistance Excellent in most environments

**Breakdown Voltage:**

**BT**

**H**

Terminal - Terminal 10,400V Typ. 8,100V Typ.

Terminal - Ground 8,400V Typ. 7,600V Typ.

*Note:* Specifications contained herein are subject to change without notice.

## How to Order

Types H and BT terminal blocks are ordered by listing a model number made up of the model designation followed by the number of terminals required for the application.

Example: a 10-pole terminal block becomes H-10 or BT-10

When ordering combinations of both types, the model number is made up of both model designations followed by total number of poles and number of each type. A composite of three H terminals followed by two BT terminals thus is converted to stock number HBT-5 (3H, 2BT).

| Number of Terminals | Mounting Dimensions |             | Overall Dimensions |             |
|---------------------|---------------------|-------------|--------------------|-------------|
|                     | Inches              | Metric (mm) | Inches             | Metric (mm) |
| 1                   | 1.66                | 42.1        | 2.36               | 59.8        |
| 2                   | 2.31                | 58.6        | 3.01               | 76.4        |
| 3                   | 2.96                | 75.1        | 3.66               | 92.9        |
| 4                   | 3.61                | 91.6        | 4.31               | 109.4       |
| 5                   | 4.26                | 108.1       | 4.96               | 126.0       |
| 6                   | 4.91                | 124.6       | 5.61               | 142.5       |
| 7                   | 5.56                | 141.1       | 6.26               | 159.1       |
| 8                   | 6.21                | 157.6       | 6.92               | 175.6       |
| 9                   | 6.86                | 174.1       | 7.57               | 192.2       |
| 10                  | 7.51                | 190.6       | 8.22               | 208.7       |
| 11                  | 8.16                | 207.1       | 8.87               | 225.3       |
| 12                  | 8.81                | 223.6       | 9.52               | 241.8       |
| 13                  | 9.46                | 240.2       | 10.17              | 258.4       |
| 14                  | 10.10               | 256.6       | 10.82              | 274.9       |
| 15                  | 10.75               | 273.2       | 11.48              | 291.5       |
| 16                  | 11.40               | 289.7       | 12.13              | 308.0       |
| 17                  | 12.05               | 306.2       | 12.78              | 324.6       |
| 18                  | 12.70               | 322.7       | 13.43              | 341.1       |
| 19                  | 13.35               | 339.2       | 14.08              | 357.7       |
| 20                  | 14.00               | 355.7       | 14.73              | 374.2       |
| 21                  | 14.65               | 372.2       | 15.39              | 390.8       |
| 22                  | 15.30               | 388.7       | 16.04              | 407.3       |
| 23                  | 15.95               | 405.2       | 16.69              | 423.9       |
| 24                  | 16.60               | 421.7       | 17.34              | 440.4       |
| 25                  | 17.25               | 438.2       | 17.99              | 457.0       |
| 26                  | 17.40               | 454.7       | 18.64              | 473.5       |
| 27                  | 18.55               | 471.2       | 19.29              | 490.1       |
| 28                  | 19.20               | 487.7       | 19.95              | 506.6       |
| 29                  | 19.85               | 504.2       | 20.60              | 523.2       |
| 30                  | 20.50               | 520.7       | 21.25              | 539.7       |

Dimensions shown are  $\pm 0.030"$

## Series H & BT Accessories

### COVERS

Series H & BT – Two cover styles. Hinged cover of 3/16" thick black bakelite pivoting from special end brackets provide ready access to block. Factory-assembled and available only with original terminal block order. Plain cover of 1/16" thick black bakelite is permanently positioned to block with two screws. Factory-assembled or customer-installed.

To order, specify:

H/BT (Plain) – Part No. 260A49 – 1 thru 30 terminals

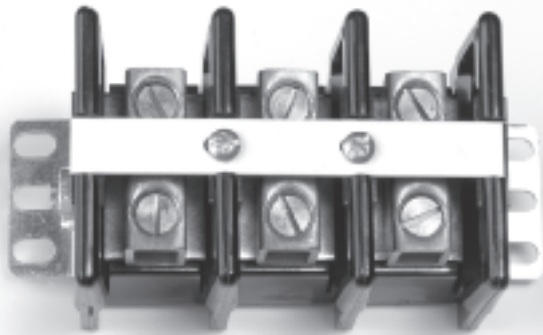
H (Hinged) – Part No. 260A56 – 1 thru 30 terminals

BT (Hinged) – Part No. 250A122 – 1 thru 30 terminals

# Types T & U 1.16" (28.46mm) Center-to-Center Spacing

High Voltage/Current

BARRIER STYLE

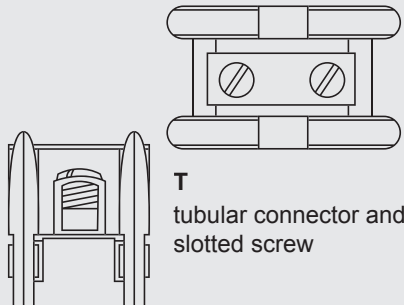


**TYPE T**

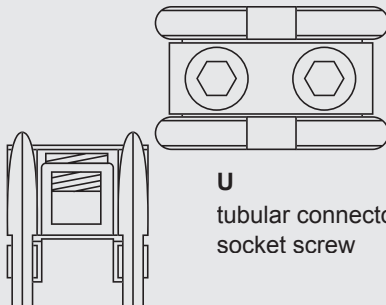


**TYPE U**

## Types T & U Terminal Variations



**T**  
tubular connector and  
slotted screw



**U**  
tubular connector and  
socket screw

## Features:

- **Heavy Load Termination Flexibility** – Designed for machine, switchboard and other heavy load terminations.
- **Tubular, High Pressure Solderless Connections** – Accommodates wire without lugging – tapped sidewalls for greater mechanical strength – electrolytically pure copper solderless connections provide 100% conductivity.
- **Readily Adaptable to Special Applications** – Can be used for branch circuit termination with simple modification of standard terminal plate.
- **Combined Style Design Capability** – All types can be combined with each other as well as with Types H and BT.
- **Heavy Load Ratings and Wire Sizes** – Type T is rated at 125A/600V, has headless slotted screw, UL recognized for No. 6AWG to No. 1/0AWG wire. Type U is rated 250A/600V and features headless socket screw, UL recognized for No. 6AWG to 250MCM wire.
- **Recognition and Listing** – UL recognized and CSA certified



Recognized under the Components Program of Underwriters Laboratories, Inc. Standard 1059, Guide No. XCFR2, File No. E62557.



Guide No. 184-N-90, Report No. LR39186-1.

## Terminal Designations

- T** Tubular copper with tapped sidewalls and headless slotted screw. Accepts wire from No. 6 AWG to No. 1/0AWG.
- U** Tubular copper with tapped sidewalls and headless socket screw. Accepts wire from No. 6AWG to 250MCM.

## Specifications:

### Wire Range:

T – UL Recognized for No. 6AWG to No. 1/0AWG

U – UL Recognized for No. 6AWG to 250MCM

**No. of Terminals:** T – 1 thru 6

U – 1 thru 4

**Voltage Rating:** 600V CSA and UL

### Tightening Torque:

T – 50 in.-lb.

U – 275 in.-lb.

**Current Rating:** T: 125 amps, U: 250 amps

### Housing:

Material Phenolic

Continuous Use

Temp. (UL Index) 150°C (302°F)

Flammability Rating 94V-1

Water Absorption

(24 hrs. % wt. gain) 0.5%

Chemical Resistance Resistant to most organic solvents

**Breakdown Voltage:** T U

Terminal - Terminal 11,000V Typ. 9,000V Typ.

Terminal - Ground 9,700V Typ. 9,600V Typ.

*Note:* Specifications contained herein are subject to change without notice.

## How to Order

Types T and U terminal blocks are ordered by listing a composite number made up of the model designation followed by the number of terminals required for the application.

Example: a 4-pole terminal block becomes T-4 or U-4

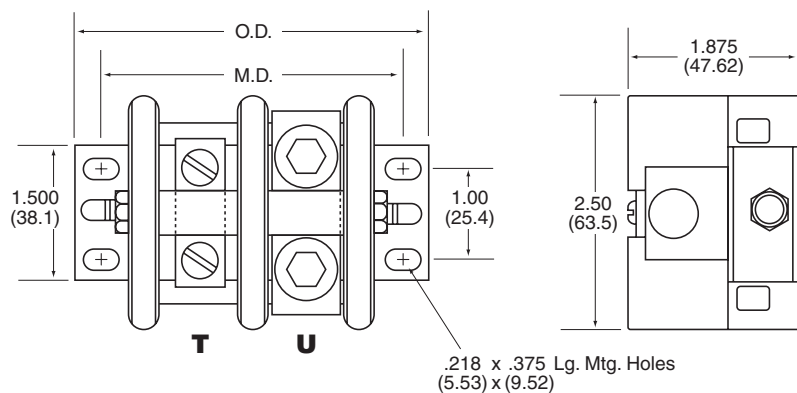
When ordering combinations of both types, the composite number is made up of both model designations followed by total number of poles and number of each type. A composite of two T terminals followed by two U terminals thus is converted to stock number TU-4 (2T, 2U).

Combining these types with types L, O, S, H and BT would follow the same ordering format. (*Note:* When combined with types H or BT, a special adapter is required.)

| Number of Terminals | Mounting Dimensions |             | Overall Dimensions |             |
|---------------------|---------------------|-------------|--------------------|-------------|
|                     | Inches              | Metric (mm) | Inches             | Metric (mm) |
| 1                   | 2.183               | 55.46       | 2.683              | 68.16       |
| 2                   | 3.342               | 84.88       | 3.842              | 97.58       |
| 3                   | 4.500               | 114.31      | 5.000              | 127.01      |
| 4                   | 5.659               | 143.73      | 6.159              | 156.43      |
| 5                   | 6.817               | 173.16      | 7.317              | 185.86      |
| 6                   | 7.976               | 202.59      | 8.476              | 215.29      |

Dimensions shown are  $\pm 0.030"$

## Types T & U Terminal Dimensions



## Types T & U Accessories

### COVERS

Types T and U – Plain cover of 1/16" thick bakelite is permanently positioned to block with two screws. Factory-assembled or customer-installed.

To order, specify:

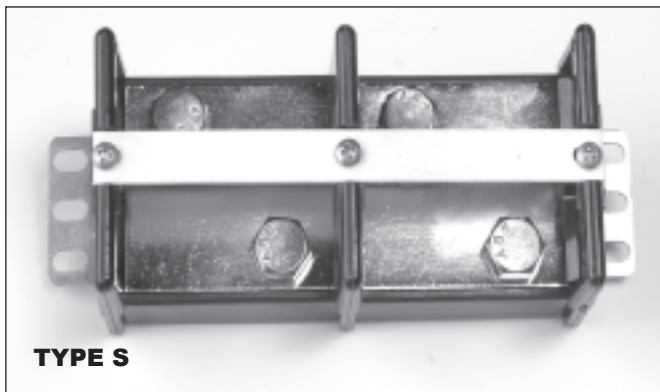
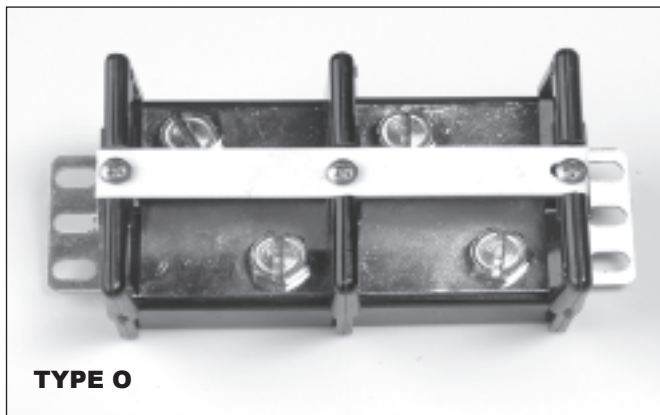
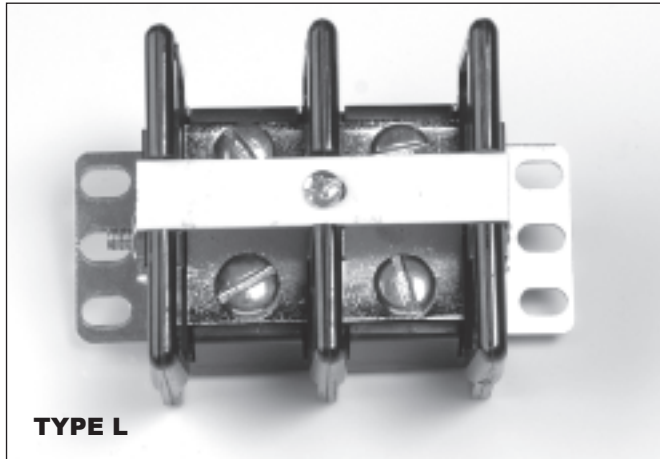
T – Part No. 268A157 – 1 thru 6 terminals

U – Part No. 268A157 – 1 thru 4 terminals

# Types L, O & S L – 1.16" (29.46mm), O – 1.86" (47.24mm),

High Voltage/Current

BARRIER STYLE



## Terminal Variations



**L**  
terminal bar and  
1/4" round-head  
screw, max. lug  
width – 27/32"



**O**  
terminal bar and  
5/16" slotted hex-  
headscrew, max.  
lug width – 3/4"



**S**  
terminal bar and  
3/8" slotted hex-  
headscrew, max.  
lug width – 1"

## Features:

- **Heavy Load Termination Flexibility** – Designed for machine, switchboard and other heavy load terminations.
- **Readily Adaptable to Special Applications** – Can be used for branch circuit termination with simple modification of standard terminal plate.
- **Combined Style Design Capability** – All types can be combined with each other as well as with Types H and BT.
- **Ratings and Wire Sizes to Match High Current Needs** – Type L is rated at 100A/600V, UL recognized for wire up to No. 1AWG. Type O is rated 125A/600, UL recognized for wire up to No. 1/0AWG. Type S is rated 225A/600V, UL recognized for wire up to No. 4/0AWG. (Note: UL requires the use of UL recognized lugs.)
- **Recognition and Listing** – UL recognized and CSA certified

## TERMINAL DESIGNATIONS

- L** Nickel-plated brass terminal bar with 1/4" – 20 plated round-head steel screws. Accepts wire up to No. 1AWG.
- O** Nickel-plated brass terminal bar with 5/16" – 18 plated slotted hex-head steel screws. Accepts wire up to No. 1/0AWG.
- S** Nickel-plated brass terminal bar with 3/8" plated hex-head steel screws. Accepts wire up to No. 4/0AWG.

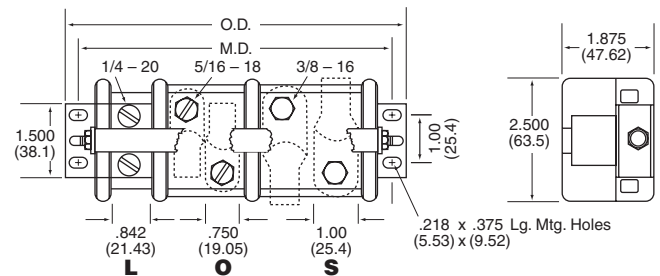


Recognized under the Components Program of Underwriters Laboratories, Inc. Standard 1059, Guide No. XCFR2, File No. E62557.



Guide No. 184-N-90, Report No. LR39186-1.

## Types L, O & S Terminal Dimensions



NOTE: Lugs are not finished with blocks mm dim. are shown in parentheses

## S – 2.42" (61.47mm) Center-to-Center Spacing

### Specifications:

#### Wire Range:

L – UL Recognized for No. 1AWG  
O – UL Recognized for No. 1/0AWG  
S – UL Recognized for No. 4/0AWG

**No. of Terminals:** L – 1 thru 12  
O – 1 thru 4  
S – 1 thru 4

**Voltage Rating:** 600V CSA and UL

**Tightening Torque:** L – 50 in.-lb.  
O – 50 in.-lb.  
S – 200 in.-lb.

**Current Rating:** L – 100A, O – 125A, S – 225A

#### Housing:

Material Phenolic  
Continuous Use  
Temp. (UL Index) 150°C (302°F)  
Flammability Rating 94V-1  
Water Absorption  
(24 hrs. % wt. gain) 0.5%  
Chemical Resistance Resistant to most organic solvents

**Breakdown Voltage:** L O S  
Terminal - Terminal 11,000V Typ. 10,900V Typ. 10,400V Typ.  
Terminal - Ground 9,700V Typ. 10,300V Typ. 10,500V Typ.

*Note:* Specifications contained herein are subject to change without notice.

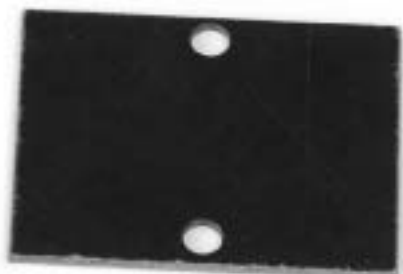
### Series L, O & S Accessories

#### COVERS

Types T and U – Plain cover of 1/16" thick bakelite is permanently positioned to block with two screws. Factory-assembled or customer-installed.

To order, specify:

L – Part No. 268A158 – 1 thru 12 terminals  
O – Part No. 268A159 – 1 thru 4 terminals  
S – Part No. 268A160 – 1 thru 4 terminals



### How to Order

Types L, O and S terminal blocks are ordered by listing a model number made up of the series designation followed by the number of terminals required for the application.

Example: a 4-pole terminal block becomes L-4, O-4 or S-4

When ordering combinations of both types, the model number is made up of both series designations followed by total number of poles and number of each type. A model number of two L terminals followed by two O terminals thus is converted to stock number LO-4 (2L, 2O).

Combining these types with types T, U, S, H and BT would follow the same ordering format. (*Note:* When combined with types H or BT, a special adapter is required.)

#### Type L

| Number of Terminals | Mounting Dimensions |             | Overall Dimensions |             |
|---------------------|---------------------|-------------|--------------------|-------------|
|                     | Inches              | Metric (mm) | Inches             | Metric (mm) |
| 1                   | 2.183               | 55.46       | 2.683              | 68.16       |
| 2                   | 3.342               | 84.88       | 3.842              | 97.58       |
| 3                   | 4.500               | 114.31      | 5.000              | 127.0       |
| 4                   | 5.659               | 143.73      | 6.159              | 156.43      |
| 5                   | 6.817               | 173.16      | 7.317              | 185.86      |
| 6                   | 7.976               | 202.59      | 8.476              | 215.29      |
| 7                   | 9.134               | 232.01      | 9.634              | 244.71      |
| 8                   | 10.293              | 261.44      | 10.793             | 274.14      |
| 9                   | 11.451              | 290.86      | 11.951             | 303.56      |
| 10                  | 12.610              | 320.29      | 13.110             | 332.99      |
| 11                  | 13.768              | 349.71      | 14.268             | 362.41      |
| 12                  | 14.927              | 379.14      | 15.427             | 391.84      |

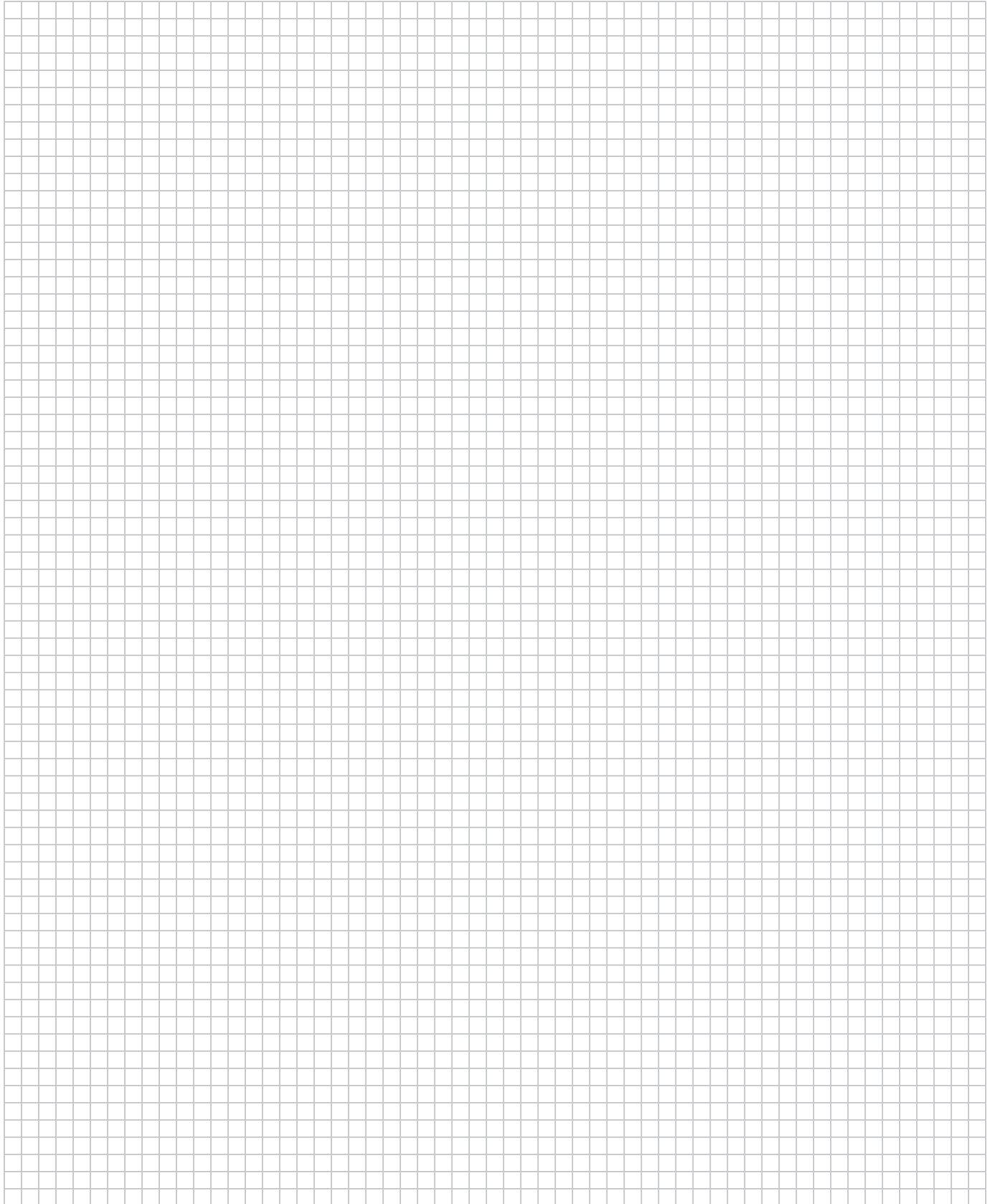
#### Type O

| Number of Terminals | Mounting Dimensions |             | Overall Dimensions |             |
|---------------------|---------------------|-------------|--------------------|-------------|
|                     | Inches              | Metric (mm) | Inches             | Metric (mm) |
| 1                   | 2.880               | 73.16       | 3.380              | 85.86       |
| 2                   | 4.736               | 120.29      | 5.236              | 132.99      |
| 3                   | 6.591               | 167.42      | 7.091              | 180.12      |
| 4                   | 8.447               | 214.55      | 8.947              | 227.25      |

#### Type S

| Number of Terminals | Mounting Dimensions |             | Overall Dimensions |             |
|---------------------|---------------------|-------------|--------------------|-------------|
|                     | Inches              | Metric (mm) | Inches             | Metric (mm) |
| 1                   | 3.440               | 87.38       | 3.940              | 100.08      |
| 2                   | 5.856               | 148.74      | 6.356              | 161.44      |
| 3                   | 8.271               | 210.09      | 8.771              | 222.79      |
| 4                   | 10.687              | 271.44      | 11.187             | 284.14      |

Dimensions shown are  $\pm 0.030$ "

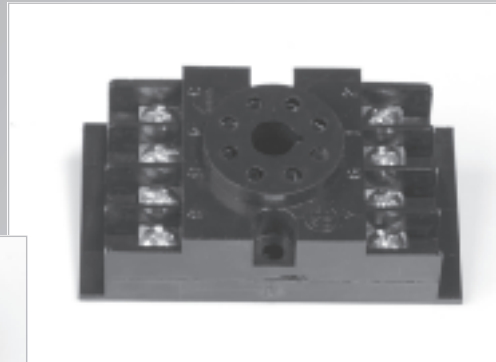
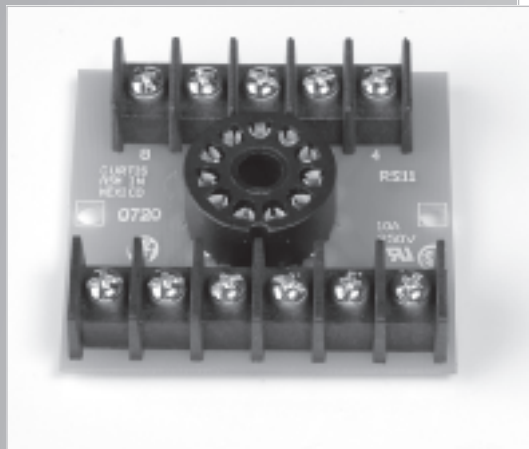


## RELAY SOCKETS ]

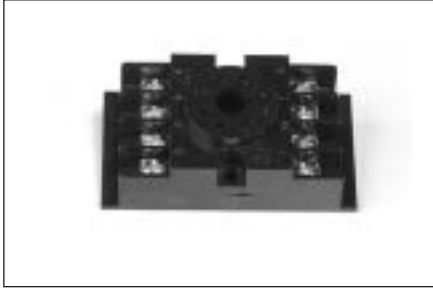
### *Snap-In Socket Assemblies*

#### *CUS Series*

#### *RS Series*



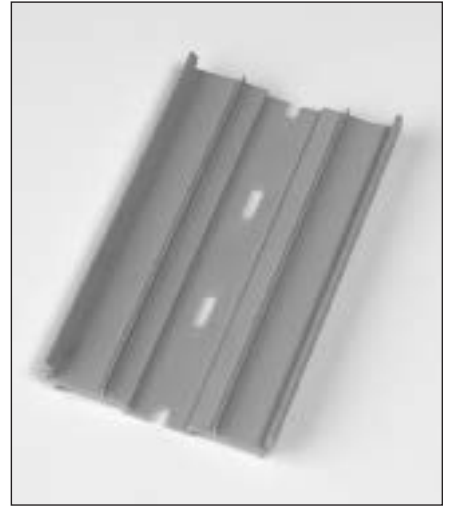
# \*Snap-In Socket Assemblies



## Features:

- Permanent-numbered terminals for easy identification
- New unitized, thermoplastic sockets with closed-back design which eliminates panel insulation, and resists breakage
- Nickel-plated screw-type terminals on break-resistant barrier-type terminal block for fast, easy connection. Screw-type terminals on other models with captivated wire clamps to eliminate lugging.
- Compact, printed circuit design
- Glass epoxy G-10 printed circuit boards
- Relay sockets can be spaced out in track for convenient insertion of marking strips, for relay identification
- High-quality sockets for maximum relay retention and electrical conductivity

## Track



- Assemblies snap in and out without disturbing adjacent units (except for dovetail design on CUS5, 12, 14, 15, and 16)
- Lengths up to 48" – holds up to 30 socket assemblies
- Pre-punched track minimizes mounting time. (On lengths of 48", drilling and tapping is only required for two or three mounting screws instead of two holes per socket.)
- Wide center channel provides space for under-board components. Allows greater surface area for easy mounting with adhesive tape.
- Grey PVC thermoplastic, UL flame class 94V-0, suitable for ambient temperatures up to 50° C.
- Vertical rib track provides support to prevent PC board breakage—supplies spring retention and electrical base insulation.
- Optional snap-on end retaining clips available for long vertical mounts or extreme vibration if end socket assembly is not mounted with screws.
- Available in three popular widths for maximum circuit design flexibility.
  - TR1 for 2-3/16" board or socket
  - TR2 for 2-3/4" PC board or socket.
  - TR3 for 3-1/4" PC board or socket

## HOW TO ORDER

Relay socket assemblies can be ordered in parts form (assemblies and track separate) or factory assembled in specific length units. When ordering factory assembled units, specify type — number of sockets in continuous one-piece precut track; for example, order RS8-17 for a track containing 17 RS8 relay socket assemblies.

\* Many Curtis Socket Assemblies are recognized under the Components Program of Underwriters Laboratories, Inc. under file No. E59934. These units are made with a  on the following pages. Socket Assemblies listed by Canadian Standards Association are marked with a  and are covered by Report No. LR19623.



# CUS Series

## CUS8

### 8-Pin Unitized Octal-Type Socket Assemblies

#### Specifications:

**Rating:** 10 amps, 300 volts

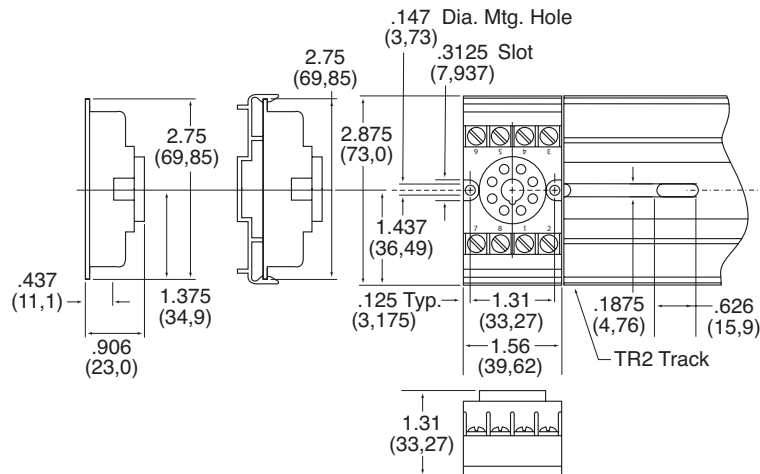
**Track:** TR2

48" length holds up to 30 CUS8 sockets

**Terminals:** 6 thru 32 with captivated traveling nut

**Wire:** Up to No. 12AWG wire

**Sockets:** CUS8 – 8-pin receptacle for 2PDT octal relay or timer



## CUS5, CUS12 and CUS16

### 5, 8 and 11-Pin Unitized Square-Base Relay-Type Socket Assemblies

#### Specifications:

**Rating:** 15 amps, 250 volts (CSA rated 15 amps, 125 volts)

**Track:** TR3

48" length holds up to 28 sockets

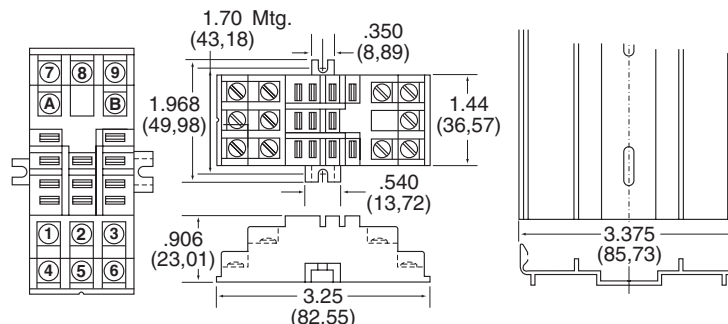
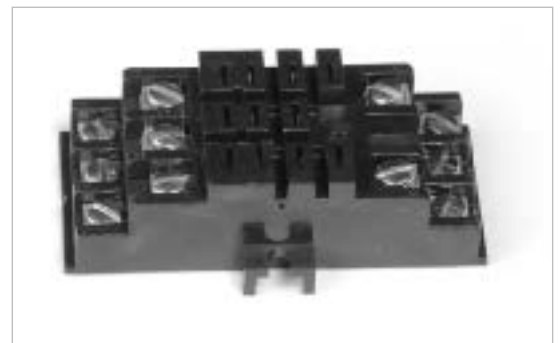
**Terminals:** 6 thru 32 with captivated traveling nut

**Wire:** Up to No. 14AWG wire

**Sockets:** CUS12 – 11-pin receptacle for 3PDT square-base barrier-type plug-in relays

CUS16 – 8-pin receptacle for 2PDT square-base, barrier type plug-in relays

CUS5 – 5-pin receptacle for SPDT square-base, barrier type plug-in relays



# RS Series

## RS8

### 8-Pin Octal-Type Socket Assemblies

#### Specifications:

**Rating:** 10 amps, 250 volts

**Track:** TR2

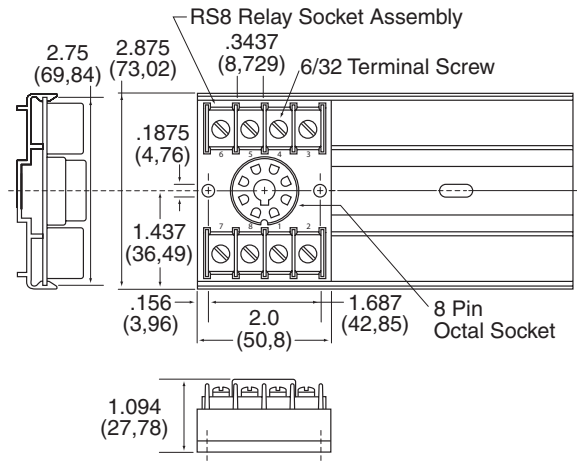
48" length holds up to 24 sockets

**No. of Terminals:** RS8 – No. 6-32 screws, 7/16" center-to-center spacing



**Wire:** RS8 – up to No. 12 AWG (lugs are recommended on wire larger than No. 16AWG)

**Sockets:** 8-pin octal receptacle to accept standard 2PDT chamber allows relays to be rocked out without danger of damaging relay center posts. PC board has center post clearance hole to allow relays with screws in center post. Phosphor bronze contacts for better pin contact and retention.



## RS11

### 11-Pin Octal-Type Socket Assemblies

#### Specifications:

**Rating:** 10 amps, 250 volts

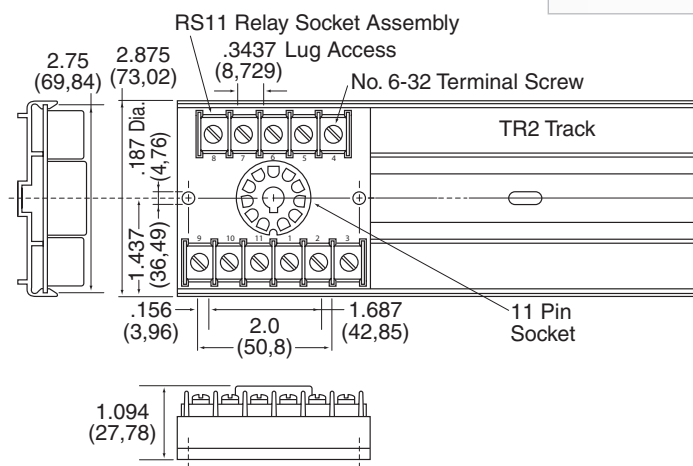
**Track:** TR2

48" length holds up to 16 sockets

**No. of Terminals:** RS11 – No. 6-32 screws, 7/16" center-to-center spacing

**Wire:** RS11 – up to No. 12 AWG (lugs are recommended on wire larger than No. 16AWG)

**Sockets:** 11-pin octal receptacle to accept 3PDT chamber allows relays. Refer to RS8 socket for features.



## RS2, RS4 and RS6

10, 16, and 22-Pin Square-Base  
Miniature Relay-Type Socket Assemblies

### Specifications:

**Rating:** 5 amps, 125 volts (UL rated 3 amps, 125 volts)

**Track:** TR1

48" length holds up to 24 RS2 sockets, 21 RS4 sockets and 16 RS6 sockets

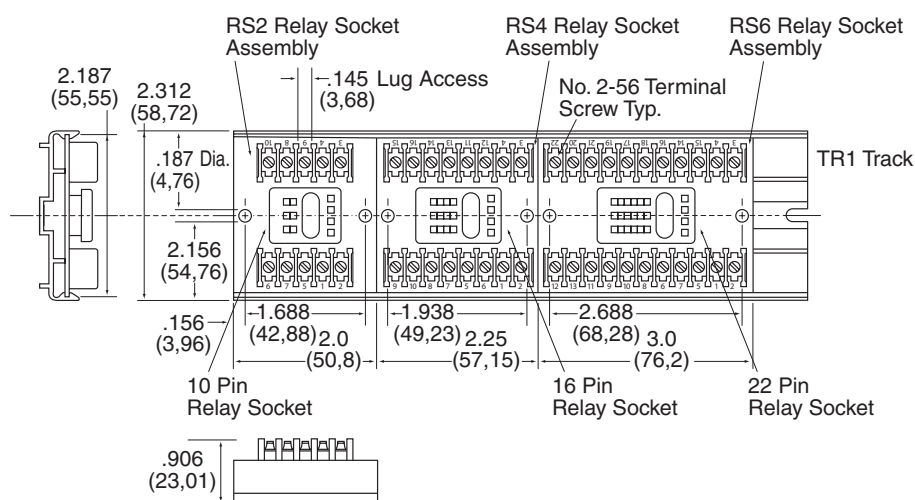
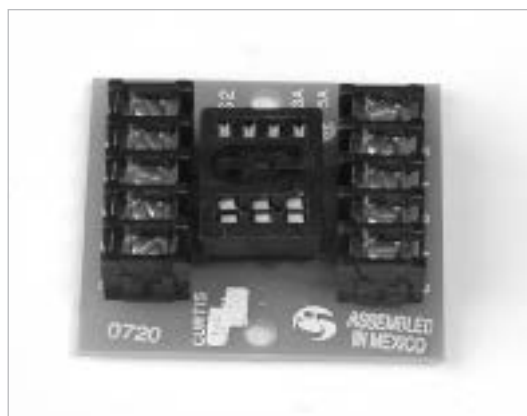
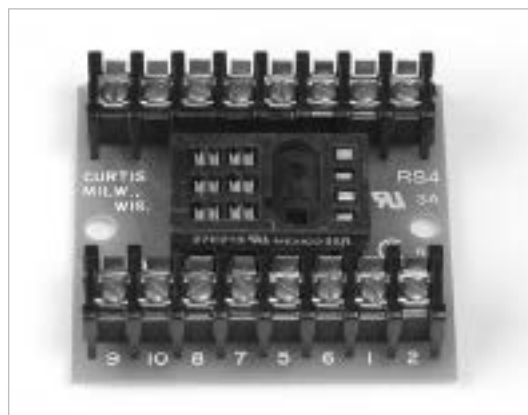
**No. of Terminals:** No. 2-56 screws with clamp – 1/4" center-to-center spacing

**Wire:** Up to No. 16AWG

**Sockets:** RS2 – 10-pin receptacle to accept miniature 2PDT relays with latching coils

RS4 – 16-pin receptacle to accept miniature 4PDT relays with latching coils

RS6 – 22-pin receptacle to accept miniature 6PDT relays with latching coils



# RS Series

## RS12 and RS16

12 and 16-Pin Square-Base Relay-Type  
Socket Assemblies

### Specifications:

**Rating:** 10 amps, 250 volts

**Track:** TR3

48" length holds up to 16 RS12 sockets

48" length holds up to 22 RS16 sockets

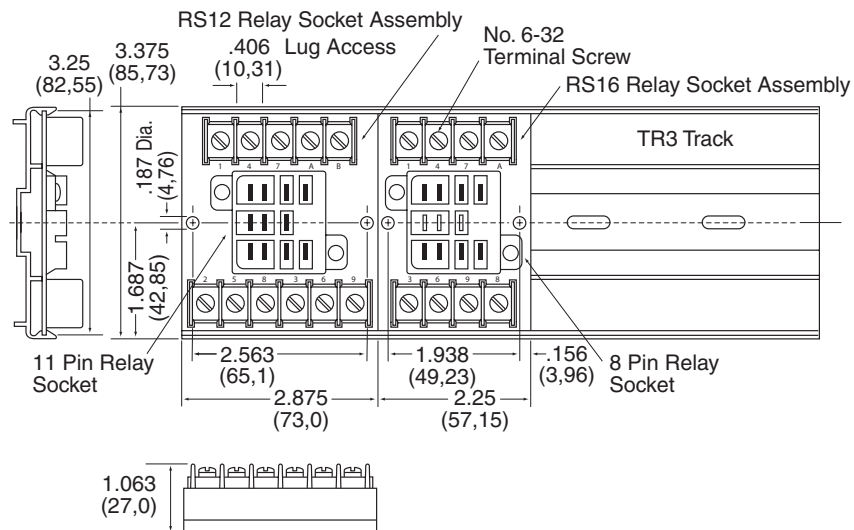
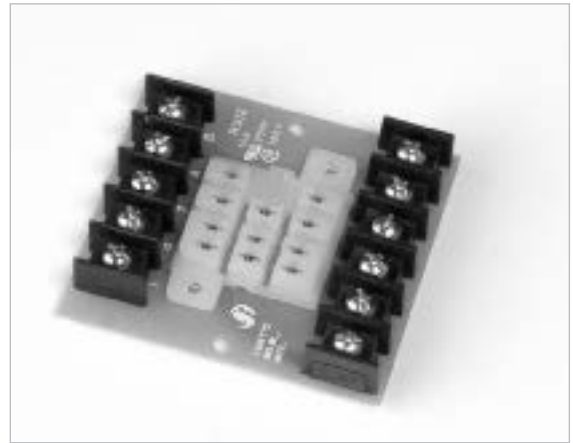
**No. of Terminals:** RS12 and RS16 – No. 6-32 screws, 7/16" center-to-center spacing

**Wire:** RS12 and RS16 – up to No. 12 AWG (lugs are recommended on wire larger than No. 16AWG)

**Sockets:** RS12 – 11 pin receptacle to accept 3PDT relays

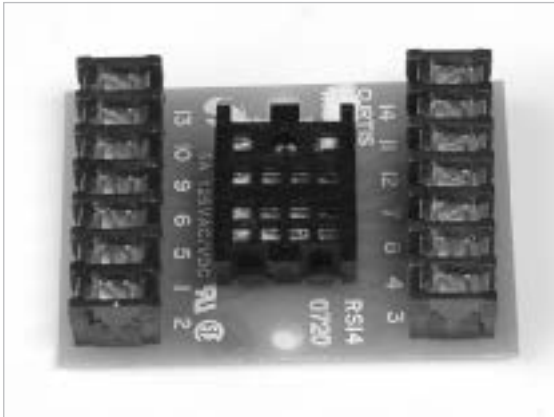
RS16 – 8-pin receptacle to accept 2PDT relays

**Note:** RS12 – CSA rating is 10 amps, 125 volts



## RS14

### 14-Pin Square-Base Miniature Relay-Type Socket Assemblies



#### Specifications:

**Rating:** 5 amps, 125 volts

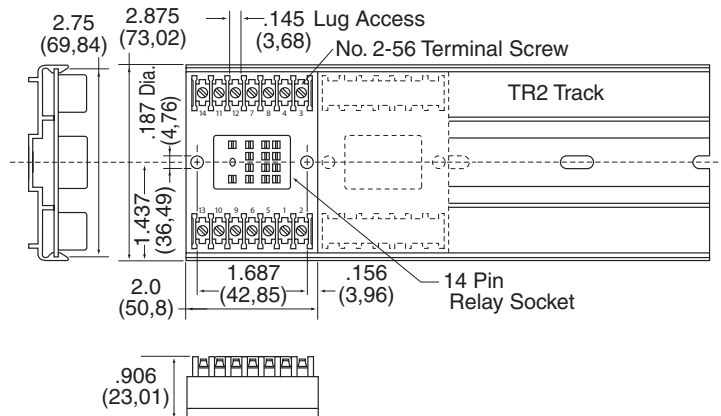
**Track:** TR2

48" length holds up to 16 sockets

**No. of Terminals:** No. 2-56 screws with clamps (1/4" center-to-center spacing)

**Wire:** up to No. 16AWG

**Sockets:** 14-pin receptacle to accept miniature 4PDT relays



## RS15

### 15-Pin Square-Base Grounded Miniature Relay-Type Socket Assemblies

#### Specifications:

**Rating:** 5 amps, 125 volts

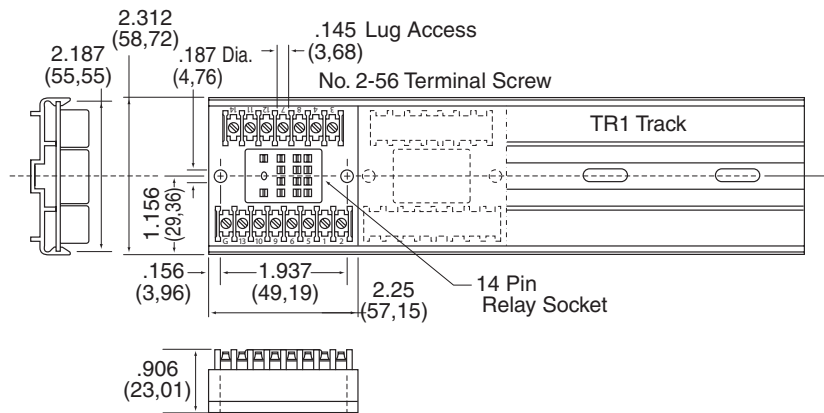
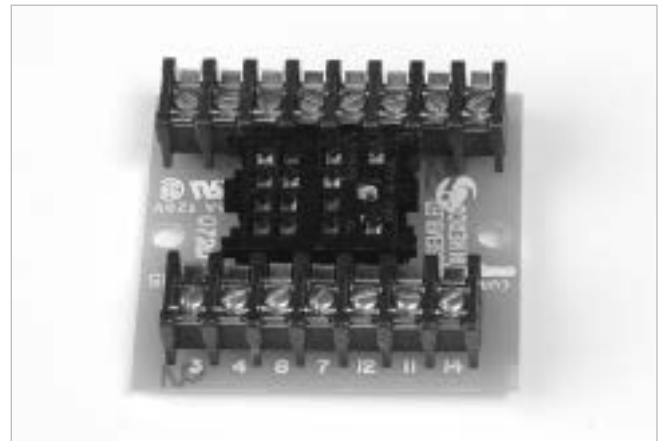
**Track:** TR1

48" length holds up to 21 sockets

**No. of Terminals:** No. 2-56 screws with clamp (1/4" center-to-center spacing)

**Wire:** Up to No. 16AWG

**Sockets:** 15-pin receptacle to accept grounded miniature 4PDT relays

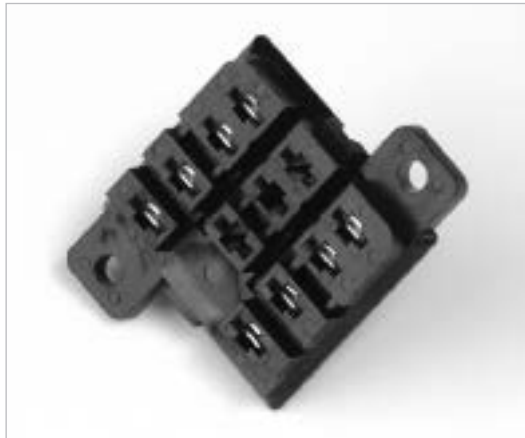


# RS & CUS Series

## ACCESSORIES



- 18836** – (RS2 socket only)
- 18837** – (RS4 socket only)
- 18838** – (RS6 socket only)
- 18830** – (RS14 & 15 socket only)
- 18831** – (RS12 socket only)
- 18835** – Round 11-pin socket (RS11)
- 18821** – Round octal socket (RS8)
- 18832** – Square 8-pin socket (RS16)
- 44613** – Tie down bail (CUS5, 12, 16)
- 44617** – Relay hold down clip (CUS5, 12, 16)
- 62610** – TR track end clips



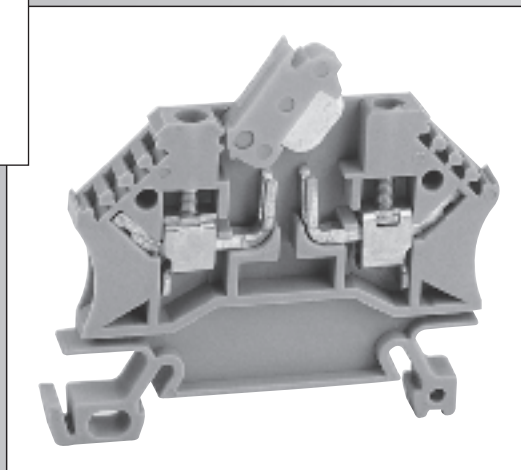
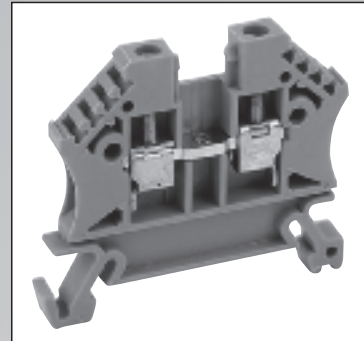
## DIN RAIL TERMINAL BLOCKS ]

*Screw Connection*

*Screwless Connection*

*Fuse Blocks*

*Ground Blocks*



# DIN Rail Terminal Blocks

## Features:

- Mounts on industry standard DIN 35 mm rail
- Vibration resistant clamp design
- Large contact surface results in higher wire retention force
- Functional reliability after repeated tightening and loosening

### Enclosed Guide Slot for Screwdriver

- Safety during installation
- Prevents the screwdriver blade from slipping particularly in the case of automatic screw drivers

### Labeling

- Not concealed by the conductor
- Simplifies identification/assignment during maintenance
- Snap-in preprinted marker

### Conductor Entry Funnel

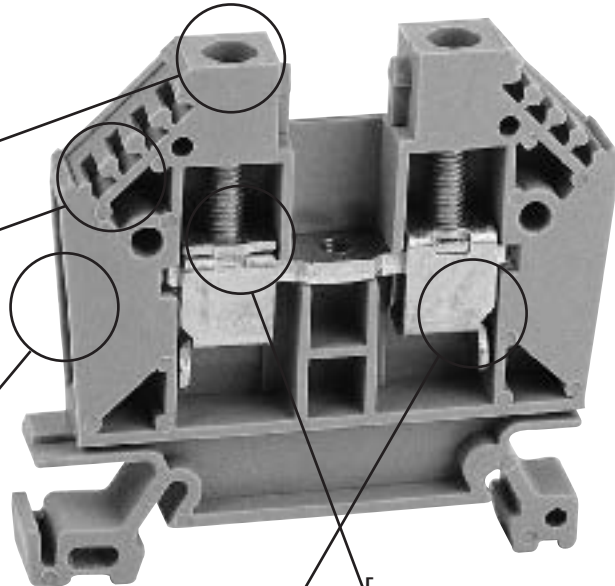
- Ease of operation and speed by guiding the conductor during terminal connection
- Tongue design prevents wire insertion under clamp

### Elastic Clamping Parts Folded at the Bottom

- Vibration proof connection
- Lock washer action keeps screws from coming loose
- Clamps provided in open position
- Serrations on current bar provide reliable contact
- Clamps are zinc-galvanized and chrome-plated steel

### Screw Locking Element

- Captive screw design
- Steel screws instead of soft brass
- Screws are hardened steel zinc-galvanized and chrome-plated



## APPROVALS

All our products have the following marks in accordance with their own features.



All products show in this leadlet which are subject to the Electrical Sector Directives have the CE Mark.



# Multiple Wire Connections per UL

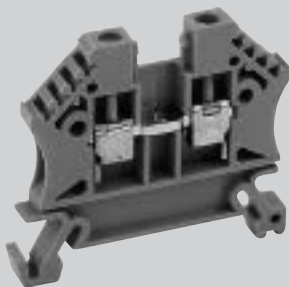
| DIN Rail Terminal Blocks |           | Wire Size AWG (mm) Number of the same size wire per terminal block |          |              |               |              |              |            |            |            |            |            |            |            |             |             |             | Catalog<br>Page Number |
|--------------------------|-----------|--------------------------------------------------------------------|----------|--------------|---------------|--------------|--------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|------------------------|
| Part Number              | UL Rating | #24<br>—                                                           | #22<br>— | #20<br>(0.5) | #18<br>(0.75) | #16<br>(1.5) | #14<br>(2.5) | #12<br>(4) | #10<br>(6) | #8<br>(10) | #6<br>(16) | #4<br>(25) | #2<br>(35) | #1<br>(40) | 1/0<br>(50) | 2/0<br>(70) | 3/0<br>(80) |                        |
| <b>6102000</b>           | 24-12     | 4                                                                  | 4        | 3            | 2             | 2            | 1            | 1          | —          | —          | —          | —          | —          | —          | —           | —           | —           | 64                     |
| <b>6102050</b>           | 22-12     | —                                                                  | 3        | 3            | 2             | 2            | 1            | 1          | —          | —          | —          | —          | —          | —          | —           | —           | —           | 75                     |
| <b>6102100</b>           | 24-12     | 1                                                                  | 1        | 1            | 1             | 1            | 1            | 1          | —          | —          | —          | —          | —          | —          | —           | —           | —           | 71                     |
| <b>6102300</b>           | 24-12     | 1                                                                  | 1        | 1            | 1             | 1            | 1            | 1          | —          | —          | —          | —          | —          | —          | —           | —           | —           | 71                     |
| <b>6102310</b>           | 24-12     | 1                                                                  | 1        | 1            | 1             | 1            | 1            | 1          | —          | —          | —          | —          | —          | —          | —           | —           | —           | 71                     |
| <b>6104000</b>           | 24-10     | 4                                                                  | 4        | 4            | 3             | 2            | 2            | 1          | 1          | —          | —          | —          | —          | —          | —           | —           | —           | 64                     |
| <b>6104100</b>           | 24-10     | 1                                                                  | 1        | 1            | 1             | 1            | 1            | 1          | 1          | —          | —          | —          | —          | —          | —           | —           | —           | 71                     |
| <b>6104110</b>           | 24-10     | 4                                                                  | 4        | 3            | 3             | 2            | 2            | 1          | 1          | —          | —          | —          | —          | —          | —           | —           | —           | 74                     |
| <b>6104300</b>           | 24-10     | 4                                                                  | 4        | 4            | 3             | 2            | 2            | 1          | 1          | —          | —          | —          | —          | —          | —           | —           | —           | 76                     |
| <b>6104310</b>           | 22-8      | —                                                                  | —        | 4            | 4             | 3            | 2            | 2          | 1          | 1          | —          | —          | —          | —          | —           | —           | —           | 76                     |
| <b>6104320</b>           | 20-8      | —                                                                  | —        | 4            | 4             | 3            | 2            | 2          | 1          | 1          | —          | —          | —          | —          | —           | —           | —           | 76                     |
| <b>6104330</b>           | 14-4      | —                                                                  | —        | —            | —             | —            | 4            | 3          | 2          | 2          | 1          | 1          | —          | —          | —           | —           | —           | 77                     |
| <b>6104340</b>           | 14-2      | —                                                                  | —        | —            | —             | —            | 3            | 2          | 2          | 2          | 1          | 1          | 1          | 1          | 1           | —           | —           | 77                     |
| <b>6104500</b>           | 24-10     | 4                                                                  | 4        | 3            | 3             | 2            | 2            | 1          | 1          | —          | —          | —          | —          | —          | —           | —           | —           | 74                     |
| <b>6104600</b>           | 24-10     | 4                                                                  | 4        | 3            | 3             | 2            | 2            | 1          | 1          | —          | —          | —          | —          | —          | —           | —           | —           | 74                     |
| <b>6106000</b>           | 22-8      | —                                                                  | 4        | 4            | 4             | 3            | 2            | 2          | 1          | 1          | —          | —          | —          | —          | —           | —           | —           | 64                     |
| <b>6106100</b>           | 22-8      | —                                                                  | 1        | 1            | 1             | 1            | 1            | 1          | 1          | 1          | —          | —          | —          | —          | —           | —           | —           | 71                     |
| <b>6110000</b>           | 20-6      | —                                                                  | —        | 4            | 4             | 3            | 3            | 2          | 2          | 1          | 1          | —          | —          | —          | —           | —           | —           | 65                     |
| <b>6110010</b>           | 20-6      | —                                                                  | —        | 4            | 4             | 3            | 3            | 2          | 2          | 1          | 1          | —          | —          | —          | —           | —           | —           | 75                     |
| <b>6110110</b>           | 20-6      | —                                                                  | —        | 4            | 4             | 3            | 3            | 2          | 2          | 1          | 1          | —          | —          | —          | —           | —           | —           | 75                     |
| <b>6116000</b>           | 14-4      | —                                                                  | —        | —            | —             | —            | 4            | 3          | 2          | 2          | 1          | 1          | —          | —          | —           | —           | —           | 65                     |
| <b>6135000</b>           | 14-1/0    | —                                                                  | —        | —            | —             | —            | 3            | 2          | 2          | 2          | 1          | 1          | 1          | 1          | 1           | —           | —           | 65                     |
| <b>6170000</b>           | 4-3/0     | —                                                                  | —        | —            | —             | —            | —            | —          | —          | —          | —          | 1          | 1          | 1          | 1           | 1           | 1           | 65                     |
| <b>6202100</b>           | 24-12     | 1                                                                  | 1        | 1            | 1             | 1            | 1            | 1          | 1          | —          | —          | —          | —          | —          | —           | —           | —           | 72                     |
| <b>6204000</b>           | 24-10     | 4                                                                  | 4        | 3            | 3             | 2            | 2            | 1          | 1          | —          | —          | —          | —          | —          | —           | —           | —           | 66                     |
| <b>6204010</b>           | 24-10     | 4                                                                  | 4        | 3            | 3             | 2            | 2            | 1          | 1          | —          | —          | —          | —          | —          | —           | —           | —           | 67                     |
| <b>6204100</b>           | 24-10     | 1                                                                  | 1        | 1            | 1             | 1            | 1            | 1          | 1          | —          | —          | —          | —          | —          | —           | —           | —           | 67                     |
| <b>6204110</b>           | 24-10     | 4                                                                  | 4        | 3            | 3             | 2            | 2            | 1          | 1          | —          | —          | —          | —          | —          | —           | —           | —           | 68                     |
| <b>6204130</b>           | 24-10     | 4                                                                  | 4        | 3            | 3             | 2            | 2            | 1          | 1          | —          | —          | —          | —          | —          | —           | —           | —           | 68                     |
| <b>6204200</b>           | 24-10     | 4                                                                  | 4        | 3            | 3             | 2            | 2            | 1          | 1          | —          | —          | —          | —          | —          | —           | —           | —           | 67                     |
| <b>6204210</b>           | 24-10     | 1                                                                  | 1        | 1            | 1             | 1            | 1            | 1          | 1          | —          | —          | —          | —          | —          | —           | —           | —           | 67                     |
| <b>6302000</b>           | 26-14     | 4                                                                  | 3        | 2            | 2             | 1            | 1            | —          | —          | —          | —          | —          | —          | —          | —           | —           | —           | 69                     |
| <b>6302100</b>           | 26-14     | 4                                                                  | 3        | 2            | 2             | 1            | 1            | —          | —          | —          | —          | —          | —          | —          | —           | —           | —           | 69                     |
| <b>6302110</b>           | 26-14     | 4                                                                  | 3        | 2            | 2             | 1            | 1            | —          | —          | —          | —          | —          | —          | —          | —           | —           | —           | 69                     |
| <b>6302120</b>           | 26-14     | 4                                                                  | 3        | 2            | 2             | 1            | 1            | —          | —          | —          | —          | —          | —          | —          | —           | —           | —           | 69                     |
| <b>6402000</b>           | 24-12     | 1                                                                  | 1        | 1            | 1             | 1            | 1            | 1          | —          | —          | —          | —          | —          | —          | —           | —           | —           | 73                     |
| <b>6404000</b>           | 24-10     | 1                                                                  | 1        | 1            | 1             | 1            | 1            | 1          | 1          | —          | —          | —          | —          | —          | —           | —           | —           | 73                     |
| <b>6206000</b>           | 22-8      | —                                                                  | 1        | 1            | 1             | 1            | 1            | 1          | 1          | 1          | —          | —          | —          | —          | —           | —           | —           | 73                     |
| <b>6504000</b>           | 24-10     | 4                                                                  | 3        | 3            | 2             | 2            | 1            | 1          | 1          | —          | —          | —          | —          | —          | —           | —           | —           | 66                     |
| <b>6504010</b>           | 18-10     | —                                                                  | —        | —            | 3             | 2            | 2            | 1          | 1          | —          | —          | —          | —          | —          | —           | —           | —           | 77                     |



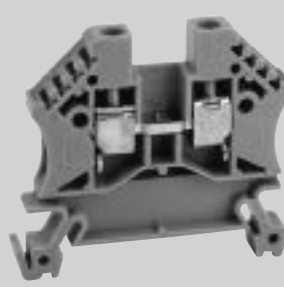
## Screw Connection Single Level

- **Plastic Body:** Polyamide 6.6
- **Internal Bus:** Nickel-plated brass
- **Clamp:** Hardened steel, electro-plated with zinc yellow-chromated
- **Screws:** Steel, zinc-plated and yellow-chromated
- **Marking:** 4 slots on both sides
- **Tracking Resistance:**  
IEC 112: CTI > 600  
VDE 0303: KB > 600

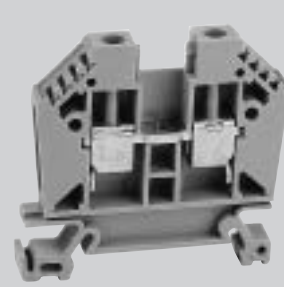
### 6102000 2.5/5 Feed Through



### 6104000 4/6 Feed Through



### 6106000 6/8 Feed Through



|                                         |                                                                                                                                                                                                                                                                       |           |                     |                                                                                                                                                                                                                                                                       |           |                   |                                                                                                                                                                                         |          |                    |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------|
| <b>Dimensions</b>                       | 44 mm (L) x 36 mm (H) x 5 mm (W)                                                                                                                                                                                                                                      |           |                     | 44 mm (L) x 36 mm (H) x 6 mm (W)                                                                                                                                                                                                                                      |           |                   | 50 mm (L) x 44 mm (H) x 7 mm (W)                                                                                                                                                        |          |                    |
| <b>Opening</b>                          | 3.6 x 2.6 mm                                                                                                                                                                                                                                                          |           |                     | 4 x 3.3 mm                                                                                                                                                                                                                                                            |           |                   | 5 x 4 mm                                                                                                                                                                                |          |                    |
| <b>Stripping Length</b>                 | 10 mm                                                                                                                                                                                                                                                                 |           |                     | 10 mm                                                                                                                                                                                                                                                                 |           |                   | 12 mm                                                                                                                                                                                   |          |                    |
| <b>Screw Thread</b>                     | M 2.6                                                                                                                                                                                                                                                                 |           |                     | M 3                                                                                                                                                                                                                                                                   |           |                   | M 3.5                                                                                                                                                                                   |          |                    |
| <b>Central Thread</b>                   | M 2.5                                                                                                                                                                                                                                                                 |           |                     | M 3                                                                                                                                                                                                                                                                   |           |                   | M 3                                                                                                                                                                                     |          |                    |
| <b>Connecting Capacity</b>              | Solid conductors mm <sup>2</sup> 0.5-4<br>Stranded conductors mm <sup>2</sup> 0.5-2.5                                                                                                                                                                                 |           |                     | Solid conductors mm <sup>2</sup> 0.5-4<br>Stranded conductors mm <sup>2</sup> 0.5-4                                                                                                                                                                                   |           |                   | Solid conductors mm <sup>2</sup> 0.5-10<br>Stranded conductors mm <sup>2</sup> 0.5-6                                                                                                    |          |                    |
| <b>Conductors with Ferrules</b>         | DIN 46288 / 1 mm <sup>2</sup> 0.5-2.5                                                                                                                                                                                                                                 |           |                     | DIN 46288 / 1 mm <sup>2</sup> 0.5-4                                                                                                                                                                                                                                   |           |                   | DIN 46288 / 1 mm <sup>2</sup> 0.5-6                                                                                                                                                     |          |                    |
| <b>Number of Connectable Conductors</b> | 2 x 1.5 mm <sup>2</sup><br>4 x 1.0 mm <sup>2</sup>                                                                                                                                                                                                                    |           |                     | 4 x 1.5 mm <sup>2</sup>                                                                                                                                                                                                                                               |           |                   | 2 x 4 mm <sup>2</sup>                                                                                                                                                                   |          |                    |
| <b>Approvals</b>                        |                                                                                                                                                                                      |           |                     |                                                                                                                                                                                     |           |                   |                                                                                                      |          |                    |
| <b>Wire Range</b>                       | 24-12 AWG                                                                                                                                                                                                                                                             | 24-12 AWG | 2.5 mm <sup>2</sup> | 24-10 AWG                                                                                                                                                                                                                                                             | 24-10 AWG | 4 mm <sup>2</sup> | 22-8 AWG                                                                                                                                                                                | 22-8 AWG | 10 mm <sup>2</sup> |
| <b>Voltage Rating</b>                   | 600V                                                                                                                                                                                                                                                                  | 600V      | 800V                | 600V                                                                                                                                                                                                                                                                  | 600V      | 800V              | 600V                                                                                                                                                                                    | 600V     | 800V               |
| <b>Current Rating</b>                   | 20A                                                                                                                                                                                                                                                                   | 20A       | 20A                 | 30A                                                                                                                                                                                                                                                                   | 30A       | 32A               | 50A                                                                                                                                                                                     | 50A      | 41A                |
| <b>Tightening Torque</b>                | Max. 0.5 Nm                                                                                                                                                                                                                                                           |           |                     | Max. 0.6 Nm                                                                                                                                                                                                                                                           |           |                   | Max. 1.2 Nm                                                                                                                                                                             |          |                    |
| <b>Gauges</b>                           | A3                                                                                                                                                                                                                                                                    |           |                     | A4                                                                                                                                                                                                                                                                    |           |                   | A5                                                                                                                                                                                      |          |                    |
| <b>ACCESSORIES</b>                      | <b>Cat. No.</b>                                                                                                                                                                                                                                                       |           |                     | <b>Cat. No.</b>                                                                                                                                                                                                                                                       |           |                   | <b>Cat. No.</b>                                                                                                                                                                         |          |                    |
| <b>Available Colors</b>                 | <b>6102000</b> – Gray<br><b>6102001</b> – Blue<br><b>6102002</b> – Black<br><b>6102003</b> – Brown<br><b>6102004</b> – Yellow-Green<br><b>6102005</b> – Green<br><b>6102006</b> – Yellow<br><b>6102007</b> – Orange<br><b>6102008</b> – Red<br><b>6102009</b> – White |           |                     | <b>6104000</b> – Gray<br><b>6104001</b> – Blue<br><b>6104002</b> – Black<br><b>6104003</b> – Brown<br><b>6104004</b> – Yellow-Green<br><b>6104005</b> – Green<br><b>6104006</b> – Yellow<br><b>6104007</b> – Orange<br><b>6104008</b> – Red<br><b>6104009</b> – White |           |                   | <b>6106000</b> – Gray<br><b>6106001</b> – Blue<br><b>6106004</b> – Yellow-Green<br><b>6106005</b> – Green<br><b>6106006</b> – Yellow<br><b>6106007</b> – Orange<br><b>6106008</b> – Red |          |                    |
| <b>End Plate</b><br>Qty. pk. 10         | <b>6800010</b> – 44 mm (L) x 35 mm (H) x 1.5 mm (W)                                                                                                                                                                                                                   |           |                     | <b>6800010</b> – 44 mm (L) x 35 mm (H) x 1.5 mm (W)                                                                                                                                                                                                                   |           |                   | <b>6800011</b> – 50 mm (L) x 43 mm (H) x 1.5 mm (W)                                                                                                                                     |          |                    |
| <b>Separator</b><br>Qty. pk. 100        | <b>6800051</b> – 55 mm (L) x 44 mm (H) x 1.5 mm (W)                                                                                                                                                                                                                   |           |                     | <b>6800051</b> – 55 mm (L) x 44 mm (H) x 1.5 mm (W)                                                                                                                                                                                                                   |           |                   | <b>6800050</b> – 55 mm (L) x 49 mm (H) x 1.5 mm (W)                                                                                                                                     |          |                    |
| <b>Cover</b><br>Qty. pk. 100            | <b>6800075</b> – 47 mm (L) x 24.5 mm (H) x 4.8 mm (W)                                                                                                                                                                                                                 |           |                     | <b>6800076</b> – 47 mm (L) x 24.5 mm (H) x 5.8 mm (W)                                                                                                                                                                                                                 |           |                   | <b>6800077</b> – 53 mm (L) x 26 mm (H) x 6.8 mm (W)                                                                                                                                     |          |                    |
| <b>Jumper-Bar Package</b>               | <b>6800110</b> – .5M Jumper Bar                                                                                                                                                                                                                                       |           |                     | <b>6800120</b> – .5M Jumper Bar                                                                                                                                                                                                                                       |           |                   | <b>6800130</b> – .5M Jumper Bar                                                                                                                                                         |          |                    |
| <b>Jumpers 2 pole</b>                   | <b>6800102</b> – 100 pieces                                                                                                                                                                                                                                           |           |                     | <b>6800112</b> – 100 pieces                                                                                                                                                                                                                                           |           |                   | <b>6800122</b> – 100 pieces                                                                                                                                                             |          |                    |
| <b>3 pole</b>                           | <b>6800103</b> – 100 pieces                                                                                                                                                                                                                                           |           |                     | <b>6800113</b> – 100 pieces                                                                                                                                                                                                                                           |           |                   | <b>6800123</b> – 100 pieces                                                                                                                                                             |          |                    |
| <b>4 pole</b>                           | <b>6800104</b> – 100 pieces                                                                                                                                                                                                                                           |           |                     | <b>6800114</b> – 100 pieces                                                                                                                                                                                                                                           |           |                   | <b>6800124</b> – 100 pieces                                                                                                                                                             |          |                    |
| <b>End Bracket</b><br>Qty. pk. 100      | <b>6804150</b> – 58 mm (L) x 36 mm (H) x 9 mm (W)                                                                                                                                                                                                                     |           |                     | <b>6804150</b> – 58 mm (L) x 36 mm (H) x 9 mm (W)                                                                                                                                                                                                                     |           |                   | <b>6804150</b> – 58 mm (L) x 36 mm (H) x 9 mm (W)                                                                                                                                       |          |                    |
| <b>Test Plug Adapter (red)</b>          |                                                                                                                                                                                                                                                                       |           |                     | <b>6800501</b> – dia. 2.8 mm                                                                                                                                                                                                                                          |           |                   | <b>6800501</b> – dia. 2.8 mm                                                                                                                                                            |          |                    |
| <b>Test Plug Adapter (black)</b>        |                                                                                                                                                                                                                                                                       |           |                     | <b>6800500</b> – dia. 2.8 mm                                                                                                                                                                                                                                          |           |                   | <b>6800500</b> – dia. 2.8 mm                                                                                                                                                            |          |                    |

**6110000**  
**10/9 Feed Through**

 50 mm (L) x 44 mm (H) x  
 9 mm (W)

6 x 5.5 mm

12 mm

M 4

M 3

 Solid conductors mm<sup>2</sup> 1.5-16  
 Stranded conductors  
 mm<sup>2</sup> 1.5-10

 DIN 46288 / 1 mm<sup>2</sup> 1.5-10

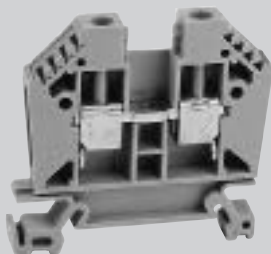
 2 x 6 mm<sup>2</sup>


|          |          |                    |
|----------|----------|--------------------|
| 20-6 AWG | 20-6 AWG | 10 mm <sup>2</sup> |
| 600V     | 600V     | 800V               |
| 65A      | 65A      | 57A                |

Max 2.0 Nm

B6

**Cat. No.**
**6110000** – Gray  
**6110001** – Blue  
**6110004** – Yellow-Green  
**6110005** – Green  
**6110006** – Yellow  
**6110007** – Orange

**6116000**  
**16-25/12 Feed Through**

 56 mm (L) x 49 mm (H) x  
 12 mm (W)

7 x 7.4 mm

14 mm

M 5

M 4

 Solid conductors mm<sup>2</sup> 1.5-25  
 Stranded conductors  
 mm<sup>2</sup> 1.5-10

 DIN 46288 / 1 mm<sup>2</sup> 1.5-25

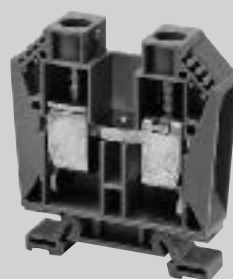
 2 x 10 mm<sup>2</sup>


|          |          |                    |
|----------|----------|--------------------|
| 14-4 AWG | 14-4 AWG | 25 mm <sup>2</sup> |
| 600V     | 600V     | 800V               |
| 85A      | 85A      | 101A               |

Max 3.0 Nm

B7

**Cat. No.**
**6116000** – Gray  
**6116001** – Blue  
**6116004** – Yellow-Green  
**6116006** – Yellow

**6135000**  
**35-50/16 Feed Through**

 62 mm (L) x 61 mm (H) x  
 16 mm (W)

11 x 10 mm

17 mm

M 6

M 4

 Solid conductors mm<sup>2</sup> 2.5-50  
 Stranded conductors  
 mm<sup>2</sup> 2.5-50

 DIN 46288 / 1 mm<sup>2</sup> 2.5-50

 2 x 25 mm<sup>2</sup>


|            |            |                    |
|------------|------------|--------------------|
| 14-1/0 AWG | 14-1/0 AWG | 50 mm <sup>2</sup> |
| 600V       | 600V       | 800V               |
| 130A       | 130A       | 150A               |

Max 5.0 Nm

B9

**Cat. No.**
**6135000** – Gray  
**6135001** – Blue  
**6135004** – Yellow-Green  
**6135006** – Yellow  
**6135008** – Red

**6170000**  
**70/26 Feed Through**

 74 mm (L) x 75 mm (H) x  
 26 mm (W)

15.5 x 16.5 mm

26 mm

M 3

 Solid conductors mm<sup>2</sup> 16-70  
 Stranded conductors  
 mm<sup>2</sup> 16-70

 DIN 46288 / 1 mm<sup>2</sup> 16-70

 2 x 50 mm<sup>2</sup>


|           |            |                    |
|-----------|------------|--------------------|
| 4-3/0 AWG | 14-3/0 AWG | 70 mm <sup>2</sup> |
| 600V      | 600V       | 800V               |
| 185A      | 185A       | 192A               |

Max 10.0 Nm

B11

**Cat. No.**
**6170000** – Gray  
**6170001** – Blue  
**6170004** – Yellow-Green  
**6170006** – Yellow

**6800011** – 50 mm (L) x  
 43 mm (H) x 1.5 mm (W)

**6800050** – 55 mm (L) x  
 49 mm (H) x 1.5 mm (W)

**6800077** – 53 mm (L) x  
 26 mm (H) x 6.8 mm (W)

**6800140** – .5M Jumper Bar

**6800132** – 100 pieces  
**6800133** – 100 pieces  
**6800134** – 100 pieces

**6804150** – 58 mm (L) x  
 36 mm (H) x 9 mm (W)

**6800501** – dia. 2.8 mm

**6800500** – dia. 2.8 mm

**6800012** – 44 mm (L) x  
 35 mm (H) x 1.5 mm (W)

**6800078** – 59 mm (L) x  
 26 mm (H) x 11.5 mm (W)

**6800150** – .5M Jumper Bar

**6800142** – 100 pieces  
**6800143** – 100 pieces  
**6800144** – 100 pieces

**6804150** – 58 mm (L) x  
 36 mm (H) x 9 mm (W)

**6800013** – 62 mm (L) x  
 60 mm (H) x 1.5 mm (W)

**6800079** – 59 mm (L) x  
 26 mm (H) x 15.5 mm (W)

**6800160** – .5M Jumper Bar

**6800152** – 100 pieces  
**6800153** – 100 pieces  
**6800154** – 100 pieces

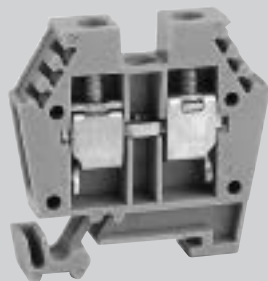
**6804150** – 58 mm (L) x  
 36 mm (H) x 9 mm (W)

**6804150** – 58 mm (L) x  
 36 mm (H) x 9 mm (W)

## Screw Connection Single Level

- **Plastic Body:** Polyamide 6.6
- **Internal Bus:** Nickel-plated brass
- **Clamp:** Hardened steel, electro-plated with zinc yellow-chromated
- **Screws:** Steel, zinc-plated and yellow-chromated
- **Marking:** 4 slots on both sides
- **Tracking Resistance:**  
IEC 112: CTI > 600  
VDE 0303: KB > 600

## 6504000 4/15 Mini Feed Through



|                                         |                                                                                     |
|-----------------------------------------|-------------------------------------------------------------------------------------|
| <b>Dimensions</b>                       | 32 mm (L) x 28 mm (H) x 6 mm (W)                                                    |
| <b>Opening</b>                          | 4 x 3.3 mm                                                                          |
| <b>Stripping Length</b>                 | 10 mm                                                                               |
| <b>Screw Thread</b>                     | M 3                                                                                 |
| <b>Central Thread</b>                   |                                                                                     |
| <b>Connecting Capacity</b>              | Solid conductors mm <sup>2</sup> 0.5-6<br>Stranded conductors mm <sup>2</sup> 0.5-4 |
| <b>Conductors with Ferrules</b>         | DIN 46288 / 1 mm <sup>2</sup> 0.5-4                                                 |
| <b>Number of Connectable Conductors</b> | 4 x 1.5 mm <sup>2</sup>                                                             |
| <b>Approvals</b>                        |    |
| <b>Wire Range</b>                       | 24-10 AWG   24-10 AWG   4 mm <sup>2</sup>                                           |
| <b>Voltage Rating</b>                   | 300V   300V   400V                                                                  |
| <b>Current Rating</b>                   | 30A   30A   32A                                                                     |
| <b>Tightening Torque</b>                | Max. 0.6 Nm                                                                         |
| <b>Gauges</b>                           | A4                                                                                  |
| <b>ACCESSORIES</b>                      | <b>Cat. No.</b>                                                                     |

### Available Colors

6504000 – Gray  
6504001 – Blue  
6504002 – Black  
6504004 – Yellow-Green  
6504005 – Green  
6504006 – Yellow  
6504007 – Orange  
6504008 – Red

### End Plate Qty. pk. 10

6800017 – 44 mm (L) x 35 mm (H) x 1.5 mm (W)

### Separator Qty. pk. 100

6800081 – 47 mm (L) x 24.5 mm (H) x 4.8 mm (W)  
6800190 – .5M Jumper Bar

### Cover Qty. pk. 100

### Jumper-Bar Package

**Jumpers** 2 pole  
3 pole  
4 pole

6800182 – 100 pieces  
6800183 – 100 pieces  
6800184 – 100 pieces

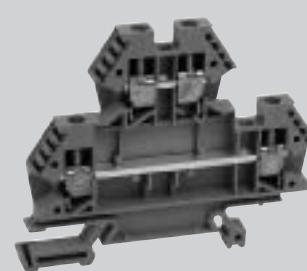
### End Bracket Qty. pk. 100

6804500 – 25 mm (L) x 16 mm (H) x 7 mm (W)

## Screw Connection Dual Level

- **Plastic Body:** Polyamide 66.6 VO
- **Internal Bus:** Silver plated copper
- **Clamp:** Hardened steel, electro-plated with zinc yellow chromated
- **Screws:** Steel, zinc plated and yellow chromated
- **Marking:** 4 slots on both sides
- **Tracking Resistance:**  
IEC 112: CTI > 600  
VDE 0303: KB > 600

## 6204000 D 4-2/6 Feed Through



|                                         |                                                                                     |
|-----------------------------------------|-------------------------------------------------------------------------------------|
| <b>Dimensions</b>                       | 72 mm (L) x 55 mm (H) x 6 mm (W)                                                    |
| <b>Opening</b>                          | 4 x 3.3 mm                                                                          |
| <b>Stripping Length</b>                 | 10 mm                                                                               |
| <b>Terminal Screw</b>                   | M 3                                                                                 |
| <b>Connecting Capacity</b>              | Solid conductors mm <sup>2</sup> 0.5-6<br>Stranded conductors mm <sup>2</sup> 0.5-4 |
| <b>Conductors with Ferrules</b>         | DIN 46288 / 1 mm <sup>2</sup> 0.5-4                                                 |
| <b>Number of Connectable Conductors</b> | 4 x 1.5 mm <sup>2</sup>                                                             |
| <b>Approvals</b>                        |  |
| <b>Wire Range</b>                       | 24-10 AWG   24-10 AWG   4 mm <sup>2</sup>                                           |
| <b>Voltage Rating</b>                   | 600V   600V   800V                                                                  |
| <b>Current Rating</b>                   | 30A   30A   32A                                                                     |
| <b>Tightening Torque</b>                | Max. 0.6 Nm                                                                         |
| <b>Gauges</b>                           | A4                                                                                  |
| <b>ACCESSORIES</b>                      | <b>Cat. No.</b>                                                                     |

### Available Colors

6204000 – Gray  
6204001 – Blue  
6204002 – Black  
6204003 – Brown  
6204004 – Yellow-Green  
6204005 – Green  
6204006 – Yellow  
6204007 – Orange  
6204008 – Red  
6204009 – White

### End Plate Qty. pk. 10

6800014 – 72 mm (L) x 55 mm (H) x 1.5 mm (W)

### Cover Qty. pk. 100

6800080 – 36 mm (L) x 14 mm (H) x 6 mm (W)

### Jumper-Bar Package

6800190 – .5M Jumper Bar

**Jumpers** 2 pole  
3 pole  
4 pole

6800182 – 100 pieces  
6800183 – 100 pieces  
6800184 – 100 pieces

### End Bracket Qty. pk. 100

6804150 – 58 mm (L) x 36 mm (H) x 9 mm (W)

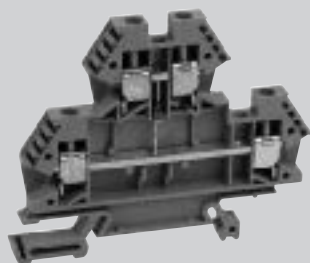
### Test plug adapter (red)

6800501

### Test plug adapter (black)

6800500



**6204010****D 4-2/6 Cross Connected**72 mm (L) x 55 mm (H) x  
6 mm (W)

4 x 3.3 mm

10 mm

M 3

Solid conductors mm<sup>2</sup> 0.5-6  
Stranded conductors  
mm<sup>2</sup> 0.5-4DIN 46288 / 1 mm<sup>2</sup> 0.5-44 x 1.5 mm<sup>2</sup>

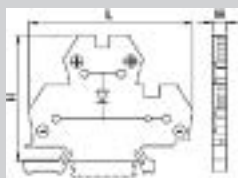
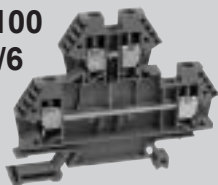
|           |           |                   |
|-----------|-----------|-------------------|
| 24-10 AWG | 24-10 AWG | 4 mm <sup>2</sup> |
| 600V      | 600V      | 800V              |
| 30A       | 30A       | 32A               |

Max 0.6 Nm

A4

**Cat. No.**

**6204010** – Gray  
**6204011** – Blue  
**6204014** – Yellow-Green  
**6204016** – Yellow

**6204100****D 4-2/6**  
*Diode*72 mm (L) x 55 mm (H) x  
6 mm (W)

4 x 3.3 mm

10 mm

M 3

Solid conductors mm<sup>2</sup> 0.5-6  
Stranded conductors  
mm<sup>2</sup> 0.5-4DIN 46288 / 1 mm<sup>2</sup> 0.5-44 x 1.5 mm<sup>2</sup>

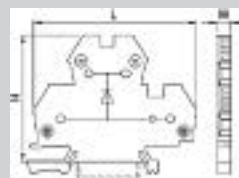
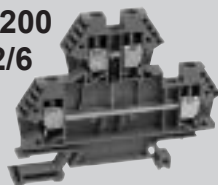
|           |           |                   |
|-----------|-----------|-------------------|
| 24-10 AWG | 24-10 AWG | 4 mm <sup>2</sup> |
|           |           |                   |
|           |           |                   |

Max 0.6 Nm

A4

**Cat. No.**

**6204100** – Gray  
**6204101** – Blue

**6204200****D 4-2/6**  
*Diode*72 mm (L) x 55 mm (H) x  
6 mm (W)

4 x 3.3 mm

10 mm

M 3

Solid conductors mm<sup>2</sup> 0.5-6  
Stranded conductors  
mm<sup>2</sup> 0.5-4DIN 46288 / 1 mm<sup>2</sup> 0.5-44 x 1.5 mm<sup>2</sup>

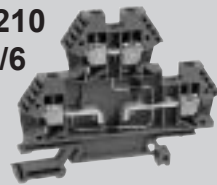
|           |           |                   |
|-----------|-----------|-------------------|
| 24-10 AWG | 24-10 AWG | 4 mm <sup>2</sup> |
|           |           |                   |
|           |           |                   |

Max 0.6 Nm

A4

**Cat. No.**

**6204110** – Gray  
**6204111** – Blue

**6204210****D 4-2/6**  
*Diode*72 mm (L) x 55 mm (H) x  
6 mm (W)

4 x 3.3 mm

10 mm

M 3

Solid conductors mm<sup>2</sup> 0.5-6  
Stranded conductors  
mm<sup>2</sup> 0.5-4DIN 46288 / 1 mm<sup>2</sup> 0.5-44 x 1.5 mm<sup>2</sup>

|           |           |                   |
|-----------|-----------|-------------------|
| 24-10 AWG | 24-10 AWG | 4 mm <sup>2</sup> |
| 600V      | 600V      | 800V              |
| 30A       | 30A       | 32A               |

Max. 0.6 Nm

A4

**Cat. No.**

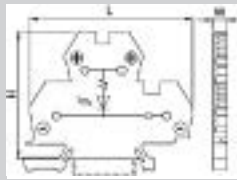
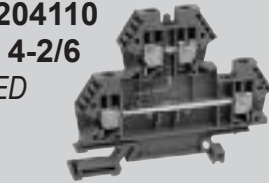
**43475** – Gray  
 Call for P/N – Blue  
 Call for P/N – Yellow

**6800014** – 72 mm (L) x  
55 mm (H) x 1.5 mm (W)**6800080** – 36 mm (L) x  
14 mm (H) x 6 mm (W)**6800190** – .5M Jumper Bar**6800182** – 100 pieces**6800183** – 100 pieces**6800184** – 100 pieces**6804150** – 58 mm (L) x  
36 mm (H) x 9 mm (W)**6800501****6800500****6800014** – 72 mm (L) x  
55 mm (H) x 1.5 mm (W)**6800080** – 36 mm (L) x  
14 mm (H) x 6 mm (W)**6804150** – 58 mm (L) x  
36 mm (H) x 9 mm (W)**6800501****6800500****6800014** – 72 mm (L) x  
55 mm (H) x 1.5 mm (W)**6800080** – 36 mm (L) x  
14 mm (H) x 6 mm (W)**6804150** – 58 mm (L) x  
36 mm (H) x 9 mm (W)**6800501****6800500****6800014** – 72 mm (L) x  
55 mm (H) x 1.5 mm (W)**6800080** – 36 mm (L) x  
14 mm (H) x 6 mm (W)**6800190** – .5M Jumper Bar**6800182** – 100 pieces**6800183** – 100 pieces**6800184** – 100 pieces**6804150** – 58 mm (L) x  
36 mm (H) x 9 mm (W)**6800501****6800500**

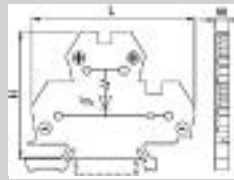
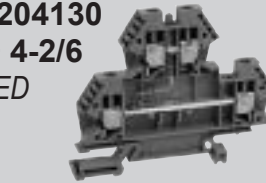
## Screw Connection Dual Level

- **Plastic Body:** Polyamide 66.6 VO
- **Internal Bus:** Silver plated copper
- **Clamp:** Hardened steel, electro-plated with zinc yellow chromated
- **Screws:** Steel, zinc plated and yellow chromated
- **Marking:** 4 slots on both sides
- **Tracking Resistance:**  
IEC 112: CTI > 600  
VDE 0303: KB > 600

### 6204110 D 4-2/6 LED



### 6204130 D 4-2/6 LED



## Screw Connection Triple Level

- **Plastic Body:** Polyamide 66.6 VO
- **Internal Bus:** Silver-plated copper
- **Clamp:** Nickel-plated brass
- **Screws:** Zinc plated and yellow-chromated steel
- **Tracking Resistance:**  
IEC 112: CTI > 600  
VDE 0303: KB > 600

#### Dimensions

72 mm (L) x 55 mm (H) x  
6 mm (W)

#### Opening

4 x 3.3 mm

#### Stripping Length

10 mm

#### Screw Thread

M 3

#### Rating

3, 4 K / 12-24V

#### Connecting Capacity

Solid conductors mm<sup>2</sup> 0.5-6  
Stranded conductors  
mm<sup>2</sup> 0.5-4

#### Conductors with Ferrules

DIN 46288 / 1 mm<sup>2</sup> 0.5-4

#### Number of Connectable Conductors

4 x 1.5 mm<sup>2</sup>

#### Approvals



#### Wire Range

24-10 AWG    24-10 AWG    4 mm<sup>2</sup>

#### Voltage Rating

#### Current Rating

#### Tightening Torque

Max 0.6 Nm

#### Gauges

A4

#### ACCESSORIES

##### End Plate Qty. pk. 10

**6800014** – 72 mm (L) x  
55 mm (H) x 1.5 mm (W)

##### Cover Qty. pk. 100

**6800080** – 36 mm (L) x  
14 mm (H) x 6 mm (W)

##### End Bracket Qty. pk. 100

**6804150** – 58 mm (L) x  
36 mm (H) x 9 mm (W)

#### Dimensions

#### Stripping Length

#### Connecting Capacity

#### Number of Connectable Conductors

#### Approvals

#### Wire Range

#### Voltage Rating

#### Current Rating

#### Tightening Torque

#### Gauges

#### ACCESSORIES

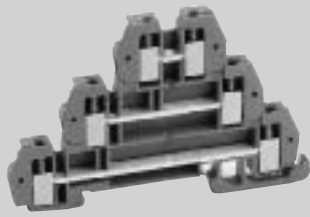
##### Available Colors

##### End Plate Qty. pk. 25

**Jumpers** 2 pole / Blue  
3 pole / Blue  
4 pole / Blue  
12-Pole / Blue  
2 pole / Red  
3 pole / Red  
4 pole / Red  
12-Pole / Red

##### End Bracket Qty. pk. 50

**6302000**  
**T 2.5/5.3**  
*Feed Through*



78.5 mm (L) x 47.5 mm (H) x  
 5.3 mm (W)

7 mm

Solid conductors mm<sup>2</sup> 0.5-4  
 Stranded conductors  
 mm<sup>2</sup> 0.5-2.5

2 x 1.5 mm<sup>2</sup>



26-14 AWG 26-14 AWG 2.5 mm<sup>2</sup>

300V 300V 250V

10A 10A 24A

Max. 0.5 Nm

A2

**Cat. No.**

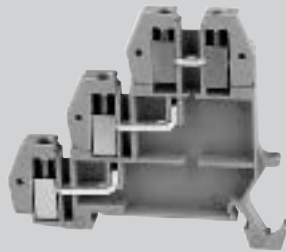
**6302000** – Gray

**6800015** – 55.4 mm (L) x  
 50 mm (H) x 1.5 mm (W)

**6800192** – 100 pieces  
**6800193** – 100 pieces  
**6800194** – 100 pieces  
**6800200** – 10 pieces  
**6800202** – 100 pieces  
**6800203** – 100 pieces  
**6800204** – 100 pieces  
**6800300** – 10 pieces

**6804150** – 58 mm (L) x  
 36 mm (H) x 9 mm (W)

**6302100**  
**T 2.5/5.3**



62 mm (L) x 47.5 mm (H) x  
 5.3 mm (W)

7 mm

Solid conductors mm<sup>2</sup> 0.5-4  
 Stranded conductors  
 mm<sup>2</sup> 0.5-2.5

2 x 1.5 mm<sup>2</sup>



26-14 AWG 26-14 AWG 2.5 mm<sup>2</sup>

300V 300V 250V

10A 10A 24A

Max. 0.5 Nm

A2

**Cat. No.**

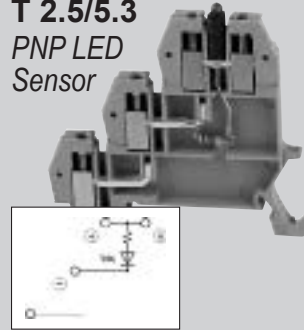
**6302100** – Gray

**6800016** – 55.4 mm (L) x  
 50 mm (H) x 1.5 mm (W)

**6800192** – 100 pieces  
**6800193** – 100 pieces  
**6800194** – 100 pieces  
**6800200** – 10 pieces  
**6800202** – 100 pieces  
**6800203** – 100 pieces  
**6800204** – 100 pieces  
**6800300** – 10 pieces

**6804150** – 58 mm (L) x  
 36 mm (H) x 9 mm (W)

**6302110**  
**T 2.5/5.3**  
*PNP LED  
 Sensor*



62 mm (L) x 47.5 mm (H) x  
 5.3 mm (W)

7 mm

Solid conductors mm<sup>2</sup> 0.5-4  
 Stranded conductors  
 mm<sup>2</sup> 0.5-2.5

2 x 1.5 mm<sup>2</sup>



26-14 AWG 26-14 AWG 2.5 mm<sup>2</sup>

Max. 0.5 Nm

A2

**Cat. No.**

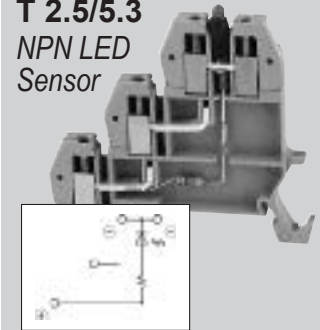
**6302110** – Gray

**6800016** – 55.4 mm (L) x  
 50 mm (H) x 1.5 mm (W)

**6800192** – 100 pieces  
**6800193** – 100 pieces  
**6800194** – 100 pieces  
**6800200** – 10 pieces  
**6800202** – 100 pieces  
**6800203** – 100 pieces  
**6800204** – 100 pieces  
**6800300** – 10 pieces

**6804150** – 58 mm (L) x  
 36 mm (H) x 9 mm (W)

**6302120**  
**T 2.5/5.3**  
*NPN LED  
 Sensor*



62 mm (L) x 42.5 mm (H) x  
 5.3 mm (W)

7 mm

Solid conductors mm<sup>2</sup> 0.5-4  
 Stranded conductors  
 mm<sup>2</sup> 0.5-2.5

2 x 1.5 mm<sup>2</sup>



26-14 AWG 26-14 AWG 2.5 mm<sup>2</sup>

Max 0.5 Nm

A2

**Cat. No.**

**6302120** – Gray

**6800016** – 55.4 mm (L) x  
 50 mm (H) x 1.5 mm (W)

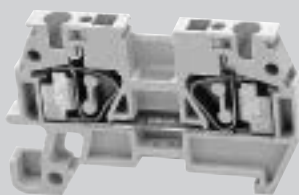
**6800192** – 100 pieces  
**6800193** – 100 pieces  
**6800194** – 100 pieces  
**6800200** – 10 pieces  
**6800202** – 100 pieces  
**6800203** – 100 pieces  
**6800204** – 100 pieces  
**6800300** – 10 pieces

**6804150** – 58 mm (L) x  
 36 mm (H) x 9 mm (W)

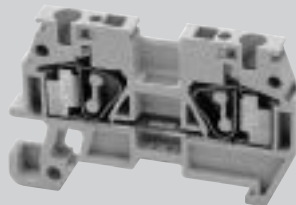
## Screwless Single Level

- **Plastic Body:** Polyamide 66.6 VO
- **Internal Bus:** Tin-plated copper
- **Spring:** Stainless steel
- **Tracking Resistance:**  
IEC 112: CTI > 600  
VDE 0303: KB > 600

### 6102100 2.5/5 Feed Through



### 6104100 4/6 Feed Through



### 6106100 6/8 Feed Through



|                                   |                                                                                     |           |                     |                                                                                     |           |                   |                                                                                     |          |      |
|-----------------------------------|-------------------------------------------------------------------------------------|-----------|---------------------|-------------------------------------------------------------------------------------|-----------|-------------------|-------------------------------------------------------------------------------------|----------|------|
| <b>Dimensions</b>                 | 53 mm (L) x 28.5 mm (H) x 5 mm (W)                                                  |           |                     | 58 mm (L) x 34.5 mm (H) x 6 mm (W)                                                  |           |                   | 63 mm (L) x 36.5 mm (H) x 8 mm (W)                                                  |          |      |
| <b>Stripping Length</b>           | 12 mm                                                                               |           |                     | 15 mm                                                                               |           |                   | 18 mm                                                                               |          |      |
| <b>Connecting Capacity</b>        | Solid conductors mm <sup>2</sup> 1-2.5<br>Stranded conductors mm <sup>2</sup> 1-2.5 |           |                     | Solid conductors mm <sup>2</sup> 1.5-4<br>Stranded conductors mm <sup>2</sup> 1.5-4 |           |                   | Solid conductors mm <sup>2</sup> 2.5-6<br>Stranded conductors mm <sup>2</sup> 2.5-6 |          |      |
| <b>Gauges</b>                     | A3                                                                                  |           |                     | A4                                                                                  |           |                   | A5                                                                                  |          |      |
| <b>Approvals</b>                  |                                                                                     |           |                     |                                                                                     |           |                   |                                                                                     |          |      |
| <b>Wire Range</b>                 | 24-12 AWG                                                                           | 24-12 AWG | 2.5 mm <sup>2</sup> | 24-10 AWG                                                                           | 24-10 AWG | 4 mm <sup>2</sup> | 22-8 AWG                                                                            | 22-8 AWG |      |
| <b>Voltage Rating</b>             | 600V                                                                                | 600V      | 630V                | 600V                                                                                | 600V      | 630V              | 600V                                                                                | 600V     | 630V |
| <b>Current Rating</b>             | 20A                                                                                 | 20A       | 24A                 | 30A                                                                                 | 30A       | 32A               | 50A                                                                                 | 50A      | 41A  |
| <b>ACCESSORIES</b>                | <b>Cat. No.</b>                                                                     |           |                     | <b>Cat. No.</b>                                                                     |           |                   | <b>Cat. No.</b>                                                                     |          |      |
| <b>Available Colors</b>           | 6102100 – Gray<br>6102101 – Blue                                                    |           |                     | 6104100 – Gray<br>6104101 – Blue                                                    |           |                   | 6106100 – Gray<br>6106101 – Blue                                                    |          |      |
| <b>End Plate</b><br>Qty. pk. 25   | 6800030 – 50 mm (L) x 23 mm (H) x 1.5 mm (W)                                        |           |                     | 6800021 – 50 mm (L) x 23 mm (H) x 1.5 mm (W)                                        |           |                   | 6800022 – 50 mm (L) x 23 mm (H) x 1.5 mm (W)                                        |          |      |
| <b>End Bracket</b><br>Qty. pk. 50 | 6804150 – 58 mm (L) x 36 mm (H) x 9 mm (W)                                          |           |                     | 6804150 – 58 mm (L) x 36 mm (H) x 9 mm (W)                                          |           |                   | 6804150 – 58 mm (L) x 36 mm (H) x 9 mm (W)                                          |          |      |
| <b>Jumper-Bar</b><br>Qty. pk. 10  | 6801050                                                                             |           |                     | 6801050                                                                             |           |                   |                                                                                     |          |      |



## Screwless Single-Multi Level

- **Plastic Body:** Polyamide 66.6 VO
- **Internal Bus:** Tin-plated copper
- **Spring:** Stainless steel
- **Tracking Resistance:**  
IEC 112: CTI > 600  
VDE 0303: KB > 600

### 6102300 2.5/5 Feed Through



### 6102310 2.5/5 Feed Through



### 6202100 6/8 Feed Through



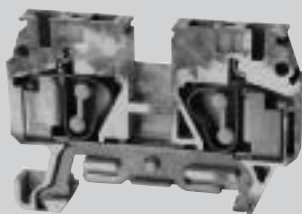
|                                   |                                                                                     |           |      |                                                                                     |           |      |                                                                                     |           |      |
|-----------------------------------|-------------------------------------------------------------------------------------|-----------|------|-------------------------------------------------------------------------------------|-----------|------|-------------------------------------------------------------------------------------|-----------|------|
| <b>Dimensions</b>                 | 68.5 mm (L) x 28.5 mm (H) x 5 mm (W)                                                |           |      | 87.5 mm (L) x 28.5 mm (H) x 5 mm (W)                                                |           |      | 98 mm (L) x 37.5 mm (H) x 5 mm (W)                                                  |           |      |
| <b>Stripping Length</b>           | 12 mm                                                                               |           |      | 12 mm                                                                               |           |      | 12 mm                                                                               |           |      |
| <b>Connecting Capacity</b>        | Solid conductors mm <sup>2</sup> 1-2.5<br>Stranded conductors mm <sup>2</sup> 1-2.5 |           |      | Solid conductors mm <sup>2</sup> 1-2.5<br>Stranded conductors mm <sup>2</sup> 1-2.5 |           |      | Solid conductors mm <sup>2</sup> 1-2.5<br>Stranded conductors mm <sup>2</sup> 1-2.5 |           |      |
| <b>Gauges</b>                     | A3                                                                                  |           |      | A3                                                                                  |           |      |                                                                                     |           |      |
| <b>Approvals</b>                  |    |           |      |   |           |      |  |           |      |
| <b>Wire Range</b>                 | 24-12 AWG                                                                           | 24-12 AWG |      | 24-12 AWG                                                                           | 24-12 AWG |      | 24-12 AWG                                                                           | 24-12 AWG |      |
| <b>Voltage Rating</b>             | 600V                                                                                | 600V      | 630V | 600V                                                                                | 600V      | 630V | 600V                                                                                | 600V      | 630V |
| <b>Current Rating</b>             | 20A                                                                                 | 20A       | 24A  | 20A                                                                                 | 20A       | 24A  | 20A                                                                                 | 20A       | 24A  |
| <b>ACCESSORIES</b>                | <b>Cat. No.</b>                                                                     |           |      | <b>Cat. No.</b>                                                                     |           |      | <b>Cat. No.</b>                                                                     |           |      |
| <b>Available Colors</b>           | 6102300 – Gray<br>6102301 – Blue                                                    |           |      | 6102100 – Gray                                                                      |           |      | 6102100 – Gray                                                                      |           |      |
| <b>End Plate</b><br>Qty. pk. 25   | 6800025 – 50 mm (L) x 23 mm (H) x 1.5 mm (W)                                        |           |      | 6800026 – 50 mm (L) x 23 mm (H) x 1.5 mm (W)                                        |           |      | 6800027 – 50 mm (L) x 23 mm (H) x 1.5 mm (W)                                        |           |      |
| <b>End Bracket</b><br>Qty. pk. 50 | 6804150 – 58 mm (L) x 36 mm (H) x 9 mm (W)                                          |           |      | 6804150 – 58 mm (L) x 36 mm (H) x 9 mm (W)                                          |           |      | 6804150 – 58 mm (L) x 36 mm (H) x 9 mm (W)                                          |           |      |
| <b>Jumper-Bar</b><br>Qty. pk. 10  | 6801050                                                                             |           |      | 6801050                                                                             |           |      | 6801050                                                                             |           |      |



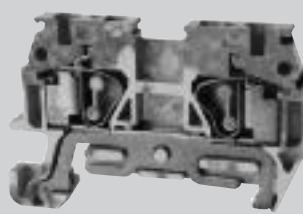
## Screwless Ground

- **Plastic Body:** Polyamide 66.6 VO
- **Internal Bus:** Tin-plated copper
- **Spring:** Stainless steel
- **Foot:** Tin-plated brass
- **Tracking Resistance:**  
IEC 112: CTI > 600  
VDE 0303: KB > 600

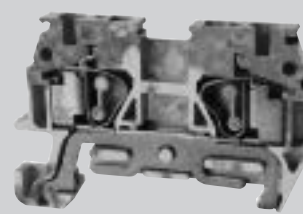
**6402000**  
**2.5/5**



**6404000**  
**4/6**



**6406000**  
**6/8**



|                                   |                                                                                     |           |                     |                                                                                     |           |                   |                                                                                     |          |                   |
|-----------------------------------|-------------------------------------------------------------------------------------|-----------|---------------------|-------------------------------------------------------------------------------------|-----------|-------------------|-------------------------------------------------------------------------------------|----------|-------------------|
| <b>Dimensions</b>                 | 53 mm (L) x 28.5 mm (H) x 5 mm (W)                                                  |           |                     | 58 mm (L) x 34.5 mm (H) x 6 mm (W)                                                  |           |                   | 63 mm (L) x 36.5 mm (H) x 8 mm (W)                                                  |          |                   |
| <b>Stripping Length</b>           | 12 mm                                                                               |           |                     | 15 mm                                                                               |           |                   | 15 mm                                                                               |          |                   |
| <b>Connecting Capacity</b>        | Solid conductors mm <sup>2</sup> 1-2.5<br>Stranded conductors mm <sup>2</sup> 1-2.5 |           |                     | Solid conductors mm <sup>2</sup> 1-2.4<br>Stranded conductors mm <sup>2</sup> 1-2.4 |           |                   | Solid conductors mm <sup>2</sup> 2.5-6<br>Stranded conductors mm <sup>2</sup> 2.5-6 |          |                   |
| <b>Gauges</b>                     | A3                                                                                  |           |                     | A4                                                                                  |           |                   | A5                                                                                  |          |                   |
| <b>Approvals</b>                  |                                                                                     |           |                     |                                                                                     |           |                   |                                                                                     |          |                   |
| <b>Wire Range</b>                 | 24-12 AWG                                                                           | 24-12 AWG | 2.5 mm <sup>2</sup> | 24-10 AWG                                                                           | 24-10 AWG | 4 mm <sup>2</sup> | 22-8 AWG                                                                            | 22-8 AWG | 6 mm <sup>2</sup> |
| <b>Voltage Rating</b>             |                                                                                     |           |                     |                                                                                     |           |                   |                                                                                     |          |                   |
| <b>Current Rating</b>             |                                                                                     |           |                     |                                                                                     |           |                   |                                                                                     |          |                   |
| <b>ACCESSORIES</b>                | <b>Cat. No.</b>                                                                     |           |                     | <b>Cat. No.</b>                                                                     |           |                   | <b>Cat. No.</b>                                                                     |          |                   |
| <b>Available Colors</b>           | <b>6402000</b> – Yellow-Green                                                       |           |                     | <b>6404000</b> – Yellow-Green                                                       |           |                   | <b>64062000</b> – Yellow-Green                                                      |          |                   |
| <b>End Plate</b><br>Qty. pk. 25   | <b>6800020</b> – 50 mm (L) x 23 mm (H) x 1.5 mm (W)                                 |           |                     | <b>6800021</b> – 50 mm (L) x 23 mm (H) x 1.5 mm (W)                                 |           |                   | <b>6800022</b> – 50 mm (L) x 23 mm (H) x 1.5 mm (W)                                 |          |                   |
| <b>End Bracket</b><br>Qty. pk. 50 | <b>6804150</b> – 58 mm (L) x 36 mm (H) x 9 mm (W)                                   |           |                     | <b>6804150</b> – 58 mm (L) x 36 mm (H) x 9 mm (W)                                   |           |                   | <b>6804150</b> – 58 mm (L) x 36 mm (H) x 9 mm (W)                                   |          |                   |



## Fuse

- **Plastic Body:** Polyamide 6.6
- **Clamp:** Hardened steel, electro-plated with zinc yellow chromated
- **Screws:** Steel, zinc plated and yellow chromated
- **Marking:** 4 slots on both sides
- **Tracking Resistance:**  
IEC 112: CTI > 600  
VDE 0303: KB > 600

### 6104500 5x20



### 6104110 5x20 LED



### 6104600 5x20 Disconnect



|                                         |                                                                                     |           |                   |                                                                                     |           |                   |                                                                                     |           |  |
|-----------------------------------------|-------------------------------------------------------------------------------------|-----------|-------------------|-------------------------------------------------------------------------------------|-----------|-------------------|-------------------------------------------------------------------------------------|-----------|--|
| <b>Dimensions</b>                       | 66 mm (L) x 44 mm (H) x 10 mm (W)                                                   |           |                   | 66 mm (L) x 44 mm (H) x 10 mm (W)                                                   |           |                   | 66 mm (L) x 44 mm (H) x 10 mm (W)                                                   |           |  |
| <b>Opening</b>                          | 4 x 3.3 mm                                                                          |           |                   | 4 x 3.3 mm                                                                          |           |                   | 4 x 3.3 mm                                                                          |           |  |
| <b>Stripping Length</b>                 | 10 mm                                                                               |           |                   | 10 mm                                                                               |           |                   | 10 mm                                                                               |           |  |
| <b>Screw Thread</b>                     | M 3                                                                                 |           |                   | M 3                                                                                 |           |                   | M 3                                                                                 |           |  |
| <b>Connecting Capacity</b>              | Solid conductors mm <sup>2</sup> 0.5-6<br>Stranded conductors mm <sup>2</sup> 0.5-4 |           |                   | Solid conductors mm <sup>2</sup> 0.5-6<br>Stranded conductors mm <sup>2</sup> 0.5-4 |           |                   | Solid conductors mm <sup>2</sup> 0.5-6<br>Stranded conductors mm <sup>2</sup> 0.5-4 |           |  |
| <b>Conductors with Ferrules</b>         | DIN 46288 / 1 mm <sup>2</sup> 0.5-4                                                 |           |                   | DIN 46288 / 1 mm <sup>2</sup> 0.5-4                                                 |           |                   | DIN 46288 / 1 mm <sup>2</sup> 0.5-4                                                 |           |  |
| <b>Number of Connectable Conductors</b> | 4 x 1.5 mm <sup>2</sup>                                                             |           |                   | 4 x 1.5 mm <sup>2</sup>                                                             |           |                   | 4 x 1.5 mm <sup>2</sup>                                                             |           |  |
| <b>Gauges</b>                           | A4                                                                                  |           |                   | A4                                                                                  |           |                   | A4                                                                                  |           |  |
| <b>Approvals</b>                        |                                                                                     |           |                   |                                                                                     |           |                   |                                                                                     |           |  |
| <b>Wire Range</b>                       | 24-10 AWG                                                                           | 24-10 AWG | 4 mm <sup>2</sup> | 24-10 AWG                                                                           | 24-10 AWG | 4 mm <sup>2</sup> | 24-10 AWG                                                                           | 24-10 AWG |  |
| <b>Voltage Rating</b>                   | 300V                                                                                | 300V      | 500V              | 300V                                                                                | 300V      | 500V              | 300V                                                                                | 300V      |  |
| <b>Current Rating</b>                   | 30A                                                                                 | 30A       |                   | 30A                                                                                 | 30A       |                   | 30A                                                                                 | 30A       |  |
| <b>Tightening Torque</b>                | Max 0.6 Nm                                                                          |           |                   | Max 0.6 Nm                                                                          |           |                   | Max 0.6 Nm                                                                          |           |  |
| <b>Lever</b>                            | Plastic material resistant up to 250° C                                             |           |                   |                                                                                     |           |                   | Plastic material resistant up to 250° C                                             |           |  |
| <b>Internal Bus</b>                     | Silver-plated brass                                                                 |           |                   | Silver-plated brass                                                                 |           |                   | Silver-plated brass                                                                 |           |  |
| <b>Fuse Terminal</b>                    | Silver-plated bronze                                                                |           |                   | Silver-plated bronze                                                                |           |                   | Silver-plated bronze                                                                |           |  |
| <b>ACCESSORIES</b>                      | <b>Cat. No.</b>                                                                     |           |                   | <b>Cat. No.</b>                                                                     |           |                   | <b>Cat. No.</b>                                                                     |           |  |
| <b>Available Colors</b>                 | 6104500 – Gray                                                                      |           |                   | 6104110 – 12-24V<br>6104120 – 60V<br>6104130 – 110V<br>6104140 – 220V               |           |                   | 6104600 – Gray                                                                      |           |  |
| <b>End Bracket Qty. pk. 50</b>          | 6804150 – 58 mm (L) x 36 mm (H) x 9 mm (W)                                          |           |                   | 6804150 – 58 mm (L) x 36 mm (H) x 9 mm (W)                                          |           |                   | 6804150 – 58 mm (L) x 36 mm (H) x 9 mm (W)                                          |           |  |
|                                         |                                                                                     |           |                   |                                                                                     |           |                   |                                                                                     |           |  |
|                                         |                                                                                     |           |                   |                                                                                     |           |                   | <b>Warning:</b> DO NOT DISCONNECT UNDER LOAD                                        |           |  |



## Fuse

- **Plastic Body:** Polyamide 6.6
- **Clamp:** Hardened steel, electro-plated with zinc yellow chromated
- **Screws:** Steel, zinc plated and yellow chromated
- **Marking:** 4 slots on both sides
- **Tracking Resistance:**  
IEC 112: CTI > 600  
VDE 0303: KB > 600

### 6110010 1-1/4x1/4



### 6110110 1-1/4x1/4 LED



### 6102050 Knife Disconnect



|                                         |                                                                                       |          |                    |                                                                                          |          |                    |                                                                                       |           |                     |
|-----------------------------------------|---------------------------------------------------------------------------------------|----------|--------------------|------------------------------------------------------------------------------------------|----------|--------------------|---------------------------------------------------------------------------------------|-----------|---------------------|
| <b>Dimensions</b>                       | 82 mm (L) x 52 mm (H) x 10 mm (W)                                                     |          |                    | 82 mm (L) x 52 mm (H) x 10 mm (W)                                                        |          |                    | 52 mm (L) x 35 mm (H) x 5 mm (W)                                                      |           |                     |
| <b>Opening</b>                          | 6 x 5.5 mm                                                                            |          |                    | 6 x 5.5 mm                                                                               |          |                    | 3.6 x 2.6 mm                                                                          |           |                     |
| <b>Stripping Length</b>                 | 12 mm                                                                                 |          |                    | 12 mm                                                                                    |          |                    | 10 mm                                                                                 |           |                     |
| <b>Screw Thread</b>                     | M 4                                                                                   |          |                    | M 4                                                                                      |          |                    | M 2.6                                                                                 |           |                     |
| <b>Connecting Capacity</b>              | Solid conductors mm <sup>2</sup> 1.5-16<br>Stranded conductors mm <sup>2</sup> 1.5-10 |          |                    | Solid conductors mm <sup>2</sup> 1.5-16<br>Stranded conductors mm <sup>2</sup> 1.5-10    |          |                    | Solid conductors mm <sup>2</sup> 0.5-4<br>Stranded conductors mm <sup>2</sup> 0.5-2.5 |           |                     |
| <b>Conductors with Ferrules</b>         | DIN 46288 / 1 mm <sup>2</sup> 1.5-10                                                  |          |                    | DIN 46288 / 1 mm <sup>2</sup> 1.5-10                                                     |          |                    | DIN 46288 / 1 mm <sup>2</sup> 0.5-4                                                   |           |                     |
| <b>Number of Connectable Conductors</b> | 2 x 6 mm <sup>2</sup>                                                                 |          |                    | 2 x 6 mm <sup>2</sup>                                                                    |          |                    | 2 x 1.5 mm <sup>2</sup><br>4 x 1.0 mm <sup>2</sup>                                    |           |                     |
| <b>Gauges</b>                           | B6                                                                                    |          |                    | B6                                                                                       |          |                    | A3                                                                                    |           |                     |
| <b>Approvals</b>                        |                                                                                       |          |                    |                                                                                          |          |                    |                                                                                       |           |                     |
| <b>Wire Range</b>                       | 20-6 AWG                                                                              | 20-6 AWG | 10 mm <sup>2</sup> | 20-6 AWG                                                                                 | 20-6 AWG | 10 mm <sup>2</sup> | 22-12 AWG                                                                             | 22-12 AWG | 2.5 mm <sup>2</sup> |
| <b>Voltage Rating</b>                   | 600V                                                                                  | 600V     | 750V               | 600V                                                                                     | 600V     | 750V               | 600V                                                                                  | 600V      | 800V                |
| <b>Current Rating</b>                   | 30A                                                                                   | 30A      |                    | 30A                                                                                      | 30A      |                    | 20A                                                                                   | 20A       | 16A                 |
| <b>Tightening Torque</b>                | Max 2.0 Nm                                                                            |          |                    | Max 2.0 Nm                                                                               |          |                    | Max 0.5 Nm                                                                            |           |                     |
| <b>Lever</b>                            | Plastic material resistant up to 250° C                                               |          |                    | Plastic material resistant up to 250° C                                                  |          |                    |                                                                                       |           |                     |
| <b>Internal Bus</b>                     | Silver-plated brass                                                                   |          |                    | Silver-plated brass                                                                      |          |                    | Tin-plated brass                                                                      |           |                     |
| <b>Fuse Terminal</b>                    | Silver-plated bronze                                                                  |          |                    | Silver-plated bronze                                                                     |          |                    | <b>Disconnect Blade:</b><br>Tin-plated copper alloy                                   |           |                     |
| <b>ACCESSORIES</b>                      |                                                                                       |          |                    |                                                                                          |          |                    |                                                                                       |           |                     |
| <b>Available Colors</b>                 | <b>Cat. No.</b><br>6110010 – Gray                                                     |          |                    | <b>Cat. No.</b><br>6110110 – 12-24V<br>6110120 – 60V<br>6110130 – 110V<br>6110140 – 220V |          |                    | <b>Cat. No.</b><br>6102050 – Gray                                                     |           |                     |
| <b>End Bracket</b><br>Qty. pk. 50       | 6804150 – 58 mm (L) x 36 mm (H) x 9 mm (W)                                            |          |                    | 6804150 – 58 mm (L) x 36 mm (H) x 9 mm (W)                                               |          |                    | 6804150 – 58 mm (L) x 36 mm (H) x 9 mm (W)                                            |           |                     |



## DIN Ground

- **Plastic Body:** Polyamide 6.6
- **Clamp:** Hardened steel, electro-plated with zinc yellow chromated
- **Foot:** Steel, zinc plated and yellow chromated
- **Screws:** Steel, zinc plated and yellow chromated
- **Tracking Resistance:**  
IEC 112: CTI > 600  
VDE 0303: KB > 600

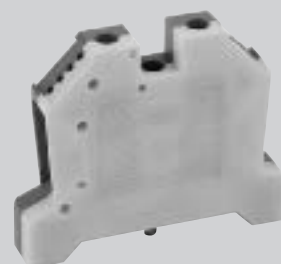
**6104300**  
**4/7**



**6104310**  
**6/8**



**6104320**  
**10/10**



|                                         |                                                                                     |           |                   |                                                                                       |          |                   |                                                                                       |          |                    |
|-----------------------------------------|-------------------------------------------------------------------------------------|-----------|-------------------|---------------------------------------------------------------------------------------|----------|-------------------|---------------------------------------------------------------------------------------|----------|--------------------|
| <b>Dimensions</b>                       | 58 mm (L) x 36 mm (H) x 7 mm (W)                                                    |           |                   | 58 mm (L) x 44 mm (H) x 8 mm (W)                                                      |          |                   | 58 mm (L) x 44 mm (H) x 10 mm (W)                                                     |          |                    |
| <b>Opening</b>                          | 4 x 3.3 mm                                                                          |           |                   | 5 x 4 mm                                                                              |          |                   | 4 x 3.3 mm                                                                            |          |                    |
| <b>Stripping Length</b>                 | 10 mm                                                                               |           |                   | 12 mm                                                                                 |          |                   | 13 mm                                                                                 |          |                    |
| <b>Screw Thread</b>                     | M 3                                                                                 |           |                   | M 3.5                                                                                 |          |                   | M 4                                                                                   |          |                    |
| <b>Ground Screw</b>                     | M 3                                                                                 |           |                   | M 3                                                                                   |          |                   | M 3                                                                                   |          |                    |
| <b>Metal Part</b>                       | Tin-plated copper                                                                   |           |                   | Brass                                                                                 |          |                   | Tin-plated brass                                                                      |          |                    |
| <b>Connecting Capacity</b>              | Solid conductors mm <sup>2</sup> 0.5-4<br>Stranded conductors mm <sup>2</sup> 0.5-4 |           |                   | Solid conductors mm <sup>2</sup> 0.5-6<br>Stranded conductors mm <sup>2</sup> 0.5-2.6 |          |                   | Solid conductors mm <sup>2</sup> 1.5-10<br>Stranded conductors mm <sup>2</sup> 1.5-10 |          |                    |
| <b>Conductors with Ferrules</b>         | DIN 46288 / 1 mm <sup>2</sup> 0.5-4                                                 |           |                   | DIN 46288 / 1 mm <sup>2</sup> 0.5-6                                                   |          |                   | DIN 46288 / 1 mm <sup>2</sup> 1.5-10                                                  |          |                    |
| <b>Number of Connectable Conductors</b> | 4 x 1.5 mm <sup>2</sup>                                                             |           |                   | 2 x 4 mm <sup>2</sup>                                                                 |          |                   | 2 x 6 mm <sup>2</sup>                                                                 |          |                    |
| <b>Gauges</b>                           | A4                                                                                  |           |                   | B6                                                                                    |          |                   | B6                                                                                    |          |                    |
| <b>Approvals</b>                        |                                                                                     |           |                   |                                                                                       |          |                   |                                                                                       |          |                    |
| <b>Wire Range</b>                       | 24-10 AWG                                                                           | 24-10 AWG | 4 mm <sup>2</sup> | 22-8 AWG                                                                              | 22-8 AWG | 6 mm <sup>2</sup> | 18-6 AWG                                                                              | 20-8 AWG | 10 mm <sup>2</sup> |
| <b>Voltage Rating</b>                   |                                                                                     |           |                   |                                                                                       |          |                   |                                                                                       |          |                    |
| <b>Current Rating</b>                   |                                                                                     |           |                   |                                                                                       |          |                   |                                                                                       |          |                    |
| <b>Tightening Torque</b>                | Max 0.6 Nm                                                                          |           |                   | Max 1.2 Nm                                                                            |          |                   | Max 2.0 Nm                                                                            |          |                    |
| <b>ACCESSORIES</b>                      | <b>Cat. No.</b>                                                                     |           |                   | <b>Cat. No.</b>                                                                       |          |                   | <b>Cat. No.</b>                                                                       |          |                    |
| <b>End Bracket</b><br>Qty. pk. 50       | <b>6804150</b> – 58 mm (L) x 36 mm (H) x 9 mm (W)                                   |           |                   | <b>6804150</b> – 58 mm (L) x 36 mm (H) x 9 mm (W)                                     |          |                   | <b>6804150</b> – 58 mm (L) x 36 mm (H) x 9 mm (W)                                     |          |                    |



## DIN Ground

- **Plastic Body:** Polyamide 6.6
- **Clamp:** Hardened steel, electro-plated with zinc yellow chromated
- **Foot:** Steel, zinc plated and yellow chromated
- **Screws:** Steel, zinc plated and yellow chromated
- **Tracking Resistance:**  
IEC 112: CTI > 600  
VDE 0303: KB > 600

**6104330**  
**16-25/12**



**6104340**  
**35-50/16**



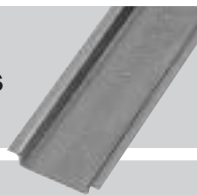
**6504010**  
**4/6 Mini**



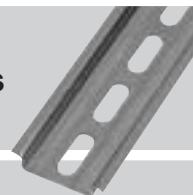
|                                         |                                                                                       |                                                                                       |                                                                                       |
|-----------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Dimensions</b>                       | 58 mm (L) x 49 mm (H) x 12 mm (W)                                                     | 62 mm (L) x 60 mm (H) x 16 mm (W)                                                     | 32 mm (L) x 28 mm (H) x 6 mm (W)                                                      |
| <b>Opening</b>                          | 7 x 7.4 mm                                                                            | 11 x 10 mm                                                                            | 4 x 3.3 mm                                                                            |
| <b>Stripping Length</b>                 | 14 mm                                                                                 | 18 mm                                                                                 | 10 mm                                                                                 |
| <b>Screw Thread</b>                     | M 5                                                                                   | M 6                                                                                   | M 3                                                                                   |
| <b>Ground Screw</b>                     | M 3                                                                                   | M 4<br>Nickel-plated brass                                                            |                                                                                       |
| <b>Metal Part</b>                       | Brass                                                                                 | Tin-plated brass                                                                      | Tin-plated Copper                                                                     |
| <b>Connecting Capacity</b>              | Solid conductors mm <sup>2</sup> 1.5-25<br>Stranded conductors mm <sup>2</sup> 1.5-26 | Solid conductors mm <sup>2</sup> 2.5-50<br>Stranded conductors mm <sup>2</sup> 2.5-35 | Solid conductors mm <sup>2</sup> 0.5-4<br>Stranded conductors mm <sup>2</sup> 0.5-4   |
| <b>Conductors with Ferrules</b>         | DIN 46288 / 1 mm <sup>2</sup> 1.5-16                                                  | DIN 46288 / 1 mm <sup>2</sup> 2.5-35                                                  | DIN 46288 / 1 mm <sup>2</sup> 1.5-4                                                   |
| <b>Number of Connectable Conductors</b> | 2 x 10 mm <sup>2</sup>                                                                | 2 x 25 mm <sup>2</sup>                                                                | 4 x 1.5 mm <sup>2</sup>                                                               |
| <b>Gauges</b>                           | B7                                                                                    | B9                                                                                    | A4                                                                                    |
| <b>Approvals</b>                        |    |   |  |
| <b>Wire Range</b>                       | 14-4 AWG    14-4 AWG    25 mm <sup>2</sup>                                            | 14-1/0 AWG    14-2/0 AWG    35 mm <sup>2</sup>                                        | 18-10 AWG    18-10 AWG    2.5 mm <sup>2</sup>                                         |
| <b>Voltage Rating</b>                   |                                                                                       |                                                                                       |                                                                                       |
| <b>Current Rating</b>                   |                                                                                       |                                                                                       |                                                                                       |
| <b>Tightening Torque</b>                | Max 3.0 Nm                                                                            | Max 5.0 Nm                                                                            | Max 0.6 Nm                                                                            |
| <b>ACCESSORIES</b>                      | <b>Cat. No.</b>                                                                       | <b>Cat. No.</b>                                                                       | <b>Cat. No.</b>                                                                       |
| <b>End Bracket</b><br>Qty. pk. 50       | <b>6804150</b> – 58 mm (L) x 36 mm (H) x 9 mm (W)                                     | <b>6804150</b> – 58 mm (L) x 36 mm (H) x 9 mm (W)                                     | <b>6804500</b> – 58 mm (L) x 36 mm (H) x 9 mm (W)                                     |



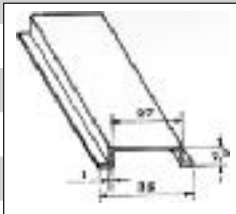
*Screw Connection*  
**Mounting Rails**  
**35x7.5**



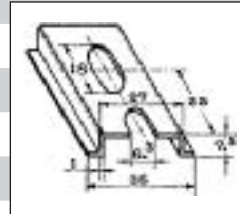
*Screw Connection*  
**Mounting Rails**  
**35x7.5 Slotted**



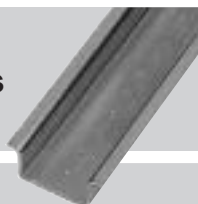
|                         |                                       |
|-------------------------|---------------------------------------|
| Part Number             | 6804100                               |
| Materials               | Steel zinc-plated and yellow-cromated |
| Weight                  | 0,35 kg/m                             |
| Aluminum                | Al Mg Si 0.5                          |
| Copper                  | Electrolytic                          |
| Standard length of bars | 2 m                                   |
| Quantity pack           | 40 m bundles                          |
| Weight Pack             | 14 Kg                                 |
| Terminal blocks up to   | 16-35-50 mm <sup>2</sup>              |



|                         |                                       |
|-------------------------|---------------------------------------|
| Part Number             | 6804101                               |
| Materials               | Steel zinc-plated and yellow-cromated |
| Weight                  | 0,31 kg/m                             |
| Aluminum                | Al Mg Si 0.5                          |
| Copper                  | Electrolytic                          |
| Standard length of bars | 2 m                                   |
| Quantity pack           | 40 m bundles                          |
| Weight Pack             | 12.5 Kg                               |
| Terminal blocks up to   | 16-35-50 mm <sup>2</sup>              |



*Screw Connection*  
**Mounting Rails**  
**35x15**



6804110  
Steel zinc-plated and yellow-cromated

0.63 kg/m

Al Mg Si 0.5

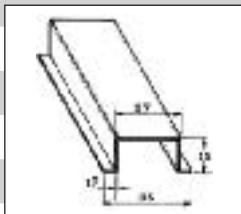
Electrolytic

2 m

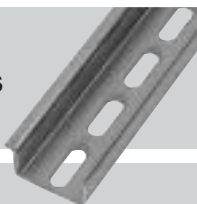
20 m bundles

25 Kg

0-95-150 mm<sup>2</sup>



*Screw Connection*  
**Mounting Rails**  
**35x15 Slotted**



6804111  
Steel zinc-plated and yellow-cromated

0.63 kg/m

Al Mg Si 0.5

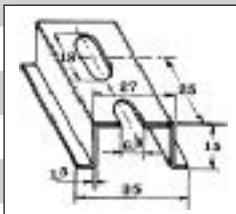
Electrolytic

2 m

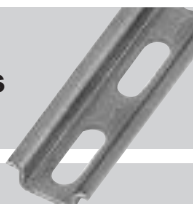
20 m bundles

24 Kg

50-95-150 mm<sup>2</sup>



*Screw Connection*  
**Mounting Rails**  
**15x5.5 Slotted**



6804505  
Steel zinc-plated and yellow-cromated

0.15 kg/m

Al Mg Si 0.5

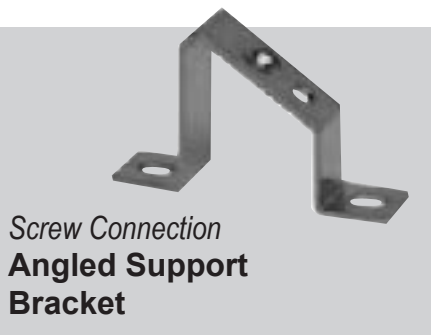
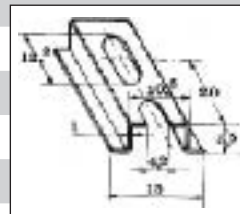
Electrolytic

2 m

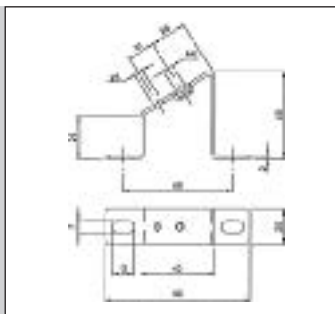
20 m bundles

3 Kg

10-16-25 mm<sup>2</sup>



*Screw Connection*  
**Angled Support**  
**Bracket**



|               |                                       |
|---------------|---------------------------------------|
| Part Number   | 6804160                               |
| Materials     | Steel zinc-plated and yellow cromated |
| Dimensions    | 78 mm (L) x 48 mm (H) x 20 mm (W)     |
| Oval Fixing   | 6.9 x 9.8 mm                          |
| Quantity pack | 50 pieces                             |



# Slotted Screwdrivers (Tip Size)

| Part Number    | Description        | 2.5mm | 3.0mm | 3.5mm | 4mm | 5mm | other |
|----------------|--------------------|-------|-------|-------|-----|-----|-------|
| <b>6104000</b> | Din 4              |       |       | •     |     |     |       |
| <b>6106000</b> | Din 6              |       |       |       | •   |     |       |
| <b>6110000</b> | Din 10             |       |       |       | •   |     |       |
| <b>6116000</b> | Din 16–25          |       |       |       |     | •   |       |
| <b>6135000</b> | Din 35–50          |       |       |       |     | •   |       |
| <b>6170000</b> | Din 70             |       |       |       |     |     | hex   |
| <b>6102000</b> | Din 2.5            |       | •     |       |     |     |       |
| <b>6504000</b> | Mini               |       |       | •     |     |     |       |
| <b>6102050</b> | Knife Disc         |       | •     |       |     |     |       |
| <b>6104310</b> | Din 6G             |       |       |       | •   |     |       |
| <b>6104330</b> | Din 16–25G         |       |       |       |     | •   |       |
| <b>6104300</b> | Din 4G             |       |       | •     |     |     |       |
| <b>6104340</b> | Din 35–50G         |       |       |       |     | •   |       |
| <b>6104320</b> | Din 10G            |       |       |       | •   |     |       |
| <b>6504010</b> | Mini Gnd           |       |       | •     |     |     |       |
| <b>6204000</b> | Double             |       |       | •     |     |     |       |
| <b>6204010</b> | x-conn             |       |       | •     |     |     |       |
| <b>6204200</b> | Diode              |       |       | •     |     |     |       |
| <b>6204110</b> | LED 12–24          |       |       | •     |     |     |       |
| <b>6204130</b> | LED 110            |       |       | •     |     |     |       |
| <b>6302000</b> | Triple             | •     |       |       |     |     |       |
| <b>6302100</b> | Sensor             | •     |       |       |     |     |       |
| <b>6110010</b> | Fuse 1/4x1-1/4     |       |       |       | •   |     |       |
| <b>6104500</b> | Fuse 5x20          |       | •     |       |     |     |       |
| <b>6104600</b> | Disc Bar           |       |       |       | •   |     |       |
| <b>6104110</b> | Fuse 5x20 led      |       | •     |       |     |     |       |
| <b>6104120</b> | Fuse 5x20 led      |       | •     |       |     |     |       |
| <b>6104130</b> | Fuse 5x20 led      |       | •     |       |     |     |       |
| <b>6104140</b> | Fuse 5x20 led      |       | •     |       |     |     |       |
| <b>6110110</b> | Fuse 1/4x1-1/4 led |       |       |       | •   |     |       |
| <b>6110120</b> | Fuse 1/4x1-1/4 led |       |       |       | •   |     |       |
| <b>6110130</b> | Fuse 1/4x1-1/4 led |       |       |       | •   |     |       |
| <b>6110230</b> | Fuse 1/4x1-1/4 led |       |       |       | •   |     |       |
| <b>6302110</b> | Sensor pnp         | •     |       |       |     |     |       |
| <b>6302120</b> | Sensor npn         | •     |       |       |     |     |       |

## Marking Strips

### Series 6806100

For terminal blocks: DIN 4, DIN 4-2, DIN Fuse Blocks, DIN G Ground

|         |                                             |
|---------|---------------------------------------------|
| 6806100 | white                                       |
| 6806101 | 1-50                                        |
| 6806102 | 51-100                                      |
| 6806103 | 101-150                                     |
| 6806104 | 151-200                                     |
| 6806150 | L1-L2-L3, L, N, $\perp$ ,<br>+, -, COM, COM |

### Series 6806000

For terminal blocks: DIN 2.5, DIN T

|         |                                             |
|---------|---------------------------------------------|
| 6806000 | white                                       |
| 6806001 | 1-100                                       |
| 6806002 | 101-200                                     |
| 6806050 | L1-L2-L3, L, N, $\perp$ ,<br>+, -, COM, COM |

### Series 6806600

For terminal blocks: DIN 4/15, DIN 2.5, DIN 2.5, DIN 4x2 (two stage); DIN Fuse Block; DIN Ground

|         |                                   |
|---------|-----------------------------------|
| 6806600 | white                             |
| 6806601 | 1-5                               |
| 6806602 | 6-10                              |
| 6806650 | 0-9, +, -, ~, =, $\perp$ ,<br>A-Z |







# Family of Products

- > RFI Filters
- > Filtered Power Entry
- > Custom Filters
- > Terminal Blocks
- > Custom Terminal Blocks
- > Liquid Level Controllers
- > PCB Mount Blocks
- > DIN Rail

