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T-1

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sales@integrated-circuit.com
Terminal Blocks
Curtis Industries is recognized as a leader in North American Style Terminal Blocks. We focus on five key areas to insure high quality and total customer satisfaction using the latest technology. These key areas include Customer Satisfaction, Design Engineering, Manufacturing, Quality, and On-Time Delivery.

**Customer Satisfaction** is carried out throughout Curtis. Customer interface with our friendly and knowledgeable Customer Service Representative where all the information needed for order entry, processing, shipping, pricing, and order expediting are immediately available electronically.

**Design Engineering** is able to create new designs to solve our OEM customer’s requirements. Using the Solid Works modeling technology enables our engineers to design the optimum terminal blocks or custom control package.

**Manufacturing** uses proprietary techniques with semi and full automation to build in quality and reduce thru-put. We deliver 99.9% reliable product to meet our customer’s quality objectives.

**Manufacturing** uses Cellular and Lean manufacturing technologies to maintain high quality, short lead time and lower costs. We deliver 99.9% reliable product to meet our customer’s quality objectives.

**On-Time Delivery** is a focus for everyone at Curtis which has resulted in an on-time delivery greater than 98% on time.
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# Curtis Industries

## Terminal Block Selection Guide

### Barrier Style

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<th>HOUSING</th>
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</tr>
</thead>
<tbody>
<tr>
<td>SE/SEI</td>
<td>.250&quot; (1/4&quot;) (6.35mm) 22 to 16 1 thru 26</td>
<td>Feed Thru (Fully Insulated) Feed Thru Printed Circuit Surface (Fully Insulated) Surface Voltage (Varies with Application) Current (Amps)</td>
<td>250V 5</td>
<td>• • • 94V-0</td>
<td>• • 6</td>
</tr>
<tr>
<td>32500</td>
<td>.325&quot; (8.25mm) 22 to 14 1 thru 26</td>
<td>• • •</td>
<td>300V 15</td>
<td>• • • 94V-0</td>
<td>• • 8</td>
</tr>
<tr>
<td>37000/38000</td>
<td>.375&quot; (3/8&quot;) (9.52mm) 22 to 12 1 thru 26</td>
<td>• • •</td>
<td>300V 20</td>
<td>• • • 94V-0</td>
<td>• • 10</td>
</tr>
<tr>
<td>CB/CFT</td>
<td>.375&quot; (3/8&quot;) (9.52mm) 22 to 12 1 thru 26</td>
<td>• • •</td>
<td>600V 20</td>
<td>• • • 94V-0</td>
<td>• • 16</td>
</tr>
<tr>
<td>43000</td>
<td>.4375&quot; (7/16&quot;) (11.11mm) 22 to 12 1 thru 26</td>
<td>• • •</td>
<td>600V 30</td>
<td>• • • 94V-0</td>
<td>• • 20</td>
</tr>
<tr>
<td>GFT/GB</td>
<td>.4375&quot; (7/16&quot;) (11.11mm) 22 to 12 1 thru 26</td>
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<td>600V 20</td>
<td>• • • 94V-0</td>
<td>• • 24</td>
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<tr>
<td>1500</td>
<td>.375&quot; (3/8&quot;) (9.52mm) 22 to 10 1 thru 22</td>
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<td>300V 30</td>
<td>• • • 94V-0</td>
<td>• • 28</td>
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<tr>
<td>2000</td>
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<td>• • •</td>
<td>300V 20</td>
<td>• • • 94V-0</td>
<td>• • 30</td>
</tr>
<tr>
<td>M</td>
<td>.50&quot; (1/2&quot;) (12.7mm) 22 to 12 1 thru 24</td>
<td>• • •</td>
<td>300V 15</td>
<td>• • • 94V-1</td>
<td>• • 34</td>
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<tr>
<td>5600</td>
<td>.563&quot; (9/16&quot;) (14.29mm) 22 to 8 1 thru 22</td>
<td>• • •</td>
<td>600V 15-50</td>
<td>• • • 94V-0</td>
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<table>
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<tr>
<th>Series/Type</th>
<th>TERMINAL SPACINGS</th>
<th>MOUNTING METHOD</th>
<th>RATING</th>
<th>HOUSING</th>
<th>AGENCY Approvals</th>
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<tbody>
<tr>
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<td>.375&quot; (3/8&quot;) (9.52mm) 22 to 8 2 thru 192</td>
<td>Snap-In Track Modular Assembly</td>
<td>600V 25-50</td>
<td>• • • 94V-2</td>
<td>• • 38</td>
</tr>
<tr>
<td>W</td>
<td>.4375&quot; (7/16&quot;) (11.11mm) 22 to 2 2 thru 164</td>
<td>• • •</td>
<td>600V 75</td>
<td>• • • 94V-1</td>
<td>• • 40</td>
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<tr>
<td>CDM</td>
<td>.547&quot; (35/64&quot;) (13.86mm) 22 to 10 1 thru 50</td>
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<td>• • • 94V-0</td>
<td>• • 42</td>
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<tr>
<td>71000</td>
<td>.629&quot; (15.97mm) 22 to 2 2 thru 6</td>
<td>• • •</td>
<td>600V 86</td>
<td>• • • 94V-0</td>
<td>• • 44</td>
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<tr>
<td>H/BT</td>
<td>.652&quot; (16.56mm) H - 16 to 4 BT - 22 to 10 1 thru 30</td>
<td>• • •</td>
<td>600V 75-30</td>
<td>• • • 94V-0</td>
<td>• • 46</td>
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<tr>
<td>T/U</td>
<td>1.16&quot; (29.46mm) T - 6 to 1/0 U - 6 to 250 MCM 1 thru 6</td>
<td>• • •</td>
<td>600V 125-250</td>
<td>• • • 94V-1</td>
<td>• • 48</td>
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<tr>
<td>L</td>
<td>1.16&quot; (29.46mm) Up to 1 1 thru 12</td>
<td>• • •</td>
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<td>• • • 94V-1</td>
<td>• • 50</td>
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<tr>
<td>O</td>
<td>1.86&quot; (47.24mm) Up to 1/0 1 thru 4</td>
<td>• • •</td>
<td>600V 125</td>
<td>• • • 94V-1</td>
<td>• • 50</td>
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<tr>
<td>S</td>
<td>2.42&quot; (61.47mm) Up to 4/0 1 thru 4</td>
<td>• • •</td>
<td>600V 225</td>
<td>• • • 94V-1</td>
<td>• • 50</td>
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Specifications subject to change.
## Relay Sockets

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<thead>
<tr>
<th>Series/Type</th>
<th>CENTER-TO-CENTER SPACING</th>
<th>WIRE RANGE (AWG)</th>
<th>SOCKETS</th>
<th>STYLE</th>
<th>RELAYS</th>
<th>RATING</th>
<th>HOUSING</th>
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<tbody>
<tr>
<td>CUS 8</td>
<td>22 to 12</td>
<td>8-pin</td>
<td>*</td>
<td></td>
<td></td>
<td>300V</td>
<td>10</td>
</tr>
<tr>
<td>CUS 11</td>
<td>22 to 12</td>
<td>11-pin</td>
<td>*</td>
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<td></td>
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<tr>
<td>CUS 5</td>
<td>22 to 14</td>
<td>5-pin</td>
<td>*</td>
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<td></td>
<td></td>
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<tr>
<td>CUS 12</td>
<td>22 to 14</td>
<td>8-pin</td>
<td>*</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CUS 16</td>
<td>22 to 14</td>
<td>11-pin</td>
<td>*</td>
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<tr>
<td>RS8</td>
<td>.4375&quot; (7/16&quot;) (11.11mm)</td>
<td>22 to 12</td>
<td>8-pin</td>
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<td></td>
<td>250V</td>
<td>10</td>
</tr>
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<td></td>
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<td>RS2</td>
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<td>•</td>
<td></td>
<td>125V</td>
<td>5</td>
</tr>
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<td>RS4</td>
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<td></td>
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<td>22-pin</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
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<td>.4375&quot; (7/16&quot;) (11.11mm)</td>
<td>22 to 12</td>
<td>8-pin</td>
<td>•</td>
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<td>260V</td>
<td>10</td>
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<td>RS16</td>
<td>.4375&quot; (7/16&quot;) (11.11mm)</td>
<td>11-pin</td>
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<td></td>
<td></td>
<td></td>
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<td>14-pin</td>
<td>•</td>
<td></td>
<td>125V</td>
<td>5</td>
</tr>
<tr>
<td>RS15</td>
<td>.25&quot; (1/4&quot;) (6.35mm)</td>
<td>15-pin</td>
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## Din Rail

<table>
<thead>
<tr>
<th>SERIES/TYPE</th>
<th>SPACING</th>
<th>WIRE RANGE (AWG)</th>
<th>WIRE CROSS SECTION</th>
<th>SCREW</th>
<th>SCREWLESS</th>
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<th>V2</th>
<th>SAFETY EXTINGUISHING</th>
<th>CATALOG PAGE NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Level</td>
<td>5-26mm</td>
<td>24 to 10</td>
<td>2.5-70mm</td>
<td>•</td>
<td></td>
<td>800V</td>
<td>24-80</td>
<td></td>
<td></td>
<td></td>
<td>64</td>
</tr>
<tr>
<td>Dual Level</td>
<td>6 mm</td>
<td>24 to 10</td>
<td>4.0-6.0mm</td>
<td>•</td>
<td></td>
<td>600V</td>
<td>30</td>
<td></td>
<td></td>
<td></td>
<td>66</td>
</tr>
<tr>
<td>Triple Level</td>
<td>5.3 &amp; 6mm</td>
<td>26 to 14</td>
<td>2.5mm</td>
<td>•</td>
<td></td>
<td>250V</td>
<td>24</td>
<td></td>
<td></td>
<td></td>
<td>69</td>
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<tr>
<td>Single Level</td>
<td>5mm</td>
<td>24 to 8</td>
<td>2.5-8.0mm</td>
<td>•</td>
<td></td>
<td>600V</td>
<td>20</td>
<td></td>
<td></td>
<td></td>
<td>70</td>
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<tr>
<td>Single-Multi Level</td>
<td>5mm</td>
<td>24 to 8</td>
<td>2.5-8.0mm</td>
<td>•</td>
<td></td>
<td>600V</td>
<td>20</td>
<td></td>
<td></td>
<td></td>
<td>70</td>
</tr>
<tr>
<td>Ground</td>
<td>24 to 10</td>
<td></td>
<td></td>
<td>•</td>
<td></td>
<td>200V</td>
<td>20</td>
<td></td>
<td></td>
<td></td>
<td>72</td>
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<tr>
<td>Fuse Block</td>
<td>10mm</td>
<td>11/4-5.0mm</td>
<td></td>
<td>•</td>
<td></td>
<td>600V</td>
<td>15-30</td>
<td></td>
<td></td>
<td></td>
<td>73</td>
</tr>
<tr>
<td>Din Ground</td>
<td>2 - 25mm</td>
<td>30 to 12</td>
<td>2-25mm</td>
<td>•</td>
<td></td>
<td>300-750V</td>
<td>13.5-15</td>
<td></td>
<td></td>
<td></td>
<td>75</td>
</tr>
</tbody>
</table>
BARRIER STYLE TERMINAL BLOCKS

Single Row
Dual Row
High-Voltage/Current
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.


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

**Internal Terminal Designations**

- **SEPX**
  - .047” dia. printed circuit pin, external screw
- **SEIPX**
  - .047” dia. printed circuit pin, external screw
- **SEFX**
  - turret-type solder pin external screw
- **SEIFX**
  - turret-type solder pin external screw
- **SEPCX**
  - external clamp added to SEPX
- **SEIPCX**
  - external clamp added to SEIPX
- **SEFCX**
  - external clamp added to SEFX
- **SEIFCX**
  - external clamp added to SEIFX

**External Terminal Designations**

- **SEPX, SEIFX**
  - printed circuit board design with .047” tin-plated brass pin
- **SEFX, SEIFX**
  - tin-plated brass turret-type solder pin
- **SEPCX, SEFCX**
  - No. 2-56 plated steel* terminal
- **SEIPX, SEIFX**
  - screw accepting up to No. 16 AWG wire
- **SEPCX, SEFCX**
  - Nickel-plated brass surface
- **SEIPCX, SEIFCX**
  - clamp with No. 2-56 plated steel screw to eliminate lugging. Accepts wire up to No. 16AWG

**PC BOARD DRILLING DIMENSIONS**

<table>
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<th>Terminals</th>
<th>Drill Size</th>
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<tbody>
<tr>
<td>2-16</td>
<td>Ø.064 (No. 52 Drill)</td>
</tr>
<tr>
<td>17</td>
<td>Ø.079 (No. 47 Drill)</td>
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(VARIATIONS)

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<thead>
<tr>
<th>SEPX</th>
<th>SEIFX</th>
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<tr>
<td>.151 (3,84)</td>
<td>.167 (4,24)</td>
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<table>
<thead>
<tr>
<th>SEFX</th>
<th>SEIFX</th>
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<td>.198 (5,03)</td>
<td>.198 (5,03)</td>
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<table>
<thead>
<tr>
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<th>SEIFCX</th>
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<td>.167 (4,24)</td>
<td>.198 (5,03)</td>
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</table>

<table>
<thead>
<tr>
<th>SEFCX</th>
<th>SEIFCX</th>
</tr>
</thead>
<tbody>
<tr>
<td>.188 (5,03)</td>
<td>.198 (5,03)</td>
</tr>
</tbody>
</table>
### Specifications:

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

**Wire Range:** UL recognized for No. 22AWG to No. 16AWG. Models SEIPX, SEFX, 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: (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

<table>
<thead>
<tr>
<th>Number of Terminals</th>
<th>A ± .031 Overall Dimensions (O.D.)</th>
<th>B ± .031 Mounting Dimensions (M.D.)</th>
<th>C ± .031 Less Mounting Dimensions</th>
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<tr>
<td></td>
<td>Inches</td>
<td>Metric (mm)</td>
<td>Inches</td>
</tr>
<tr>
<td>1</td>
<td>.781</td>
<td>19.84</td>
<td>.500</td>
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<tr>
<td>2</td>
<td>1.031</td>
<td>26.19</td>
<td>.750</td>
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<tr>
<td>3</td>
<td>1.281</td>
<td>32.54</td>
<td>1.000</td>
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<td>1.531</td>
<td>38.89</td>
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Dimensions shown are ± .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

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

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 subject to change. Dimensions are shown for reference purposes only.
**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-Border**
  - 0 – Flush Mount
  - 1 – PC Pin
  - 2 – Wire Wrap
  - 3 – Turret Type
  - 4 – Right Angle PC Pin

**Contact us:** sales@integrated-circuit.com  
**Website:** www.integrated-circuit.com

Distributor of Curtis Industries: Excellent Integrated System Limited

Datasheet of T-1 - Connector Barrier Block Strip 1 Circuit

---

**Single Row BARRIER STYLE**

**Dimensions:**

<table>
<thead>
<tr>
<th>Number of Terminals</th>
<th>A ± .031 Overall Dimensions (O.D.)</th>
<th>B ± .031 Mounting Dimensions (M.D.)</th>
<th>C ± .031 Less Mounting Ends</th>
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Dimensions shown are ± 0.030"
Series 37000/38000 .375" (3/8") 9.52mm Center-to-Center Spacing

**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.

[Diagram showing terminal block variations]

**Recognized under the Components Program of Underwriters Laboratories, Inc.**

**Specifications subject to change.**
Dimensions are shown for reference purposes only.
**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

**Material:** Polypropylene

**Continuous Use Temp. (UL Index):** 105°C

**Flammability Rating:** 94V-0

**Water Absorption:** (24 hrs. % wt. gain) 0.3%

**Chemical Resistance:** Excellent

**Breakdown Voltage:**
- Terminal - Ground: 3,000V Typ.
- Terminal - Ground: 4,700 Typ.

**Terminals:** Brass, Tin-plated

---

**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

---

**Dimensions:**

**Dimensions are in inches and millimeters unless otherwise specified.**

Values in parentheses are metric equivalents.
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

**RECOMMENDED PANEL CUTOUT DIMENSIONS**

- Mounting Dimensions
- Long Feed Thru – Panel Hole Dia. = .281 (7.13)
- Short Feed Thru – Panel Hole Dia. = .302 (7.67)

**PC BOARD DRILLING DIMENSIONS**

- 2-11 Terminals
  - .079 Dia. (No. 47 Drill)
- 12 Terminals and Over
  - .093 Dia. (No. 42 Drill)

**Dimensions subject to change. Dimensions are shown for reference purposes only.**
Series 38000 Surface Mount without Mounting Ends

- "A" Overall Dimension
- "B" Mounting Dimension
- "C" Less Mounting Feet (Ref.)

Series 38000 Base Mount

- .375 (9.52)
- .62 (15.74)

Series 38000 Short Feed-Thru

- .190 (4.82) Dia. Mounting Holes (2)

Series 38000 Long Feed-Thru

- .281 (7.13) Dia.

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

Dimensions are in inches and millimeters unless otherwise specified.
Values in parentheses are metric equivalents.
Series 37000/38000 Accessories
QUICK-CONNECT TERMINALS .020 X .187

TB71

278A11 2 to 10 poles

MARKING STRIPS

TB72

Part No. 068260100

TB73

Part No. 808271200

TB71

Part No. 808272200

BARREL STYLE

Single Row

Curtis Industries
A Division of Powers Holdings, Inc.
www.curtisind.com
Specifications subject to change. Dimensions are shown for reference purposes only.
Series 38000 Accessories

QUICK-CONNECT TERMINALS .020 x .187"

TB51

TB52

TB53

TB54

TB55

TB56

TINNERMAN NUTS

COVERS

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

Distributor of Curtis Industries: Excellent Integrated System Limited
Datasheet of T-1 - Connector Barrier Block Strip 1 Circuit

Contact us: sales@integrated-circuit.com  Website: www.integrated-circuit.com

A Division of Powers Holdings, Inc.

1-800-657-0853
**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.


**Series CB/CFT**

**.375” (7/8”) 9.52mm Center-to-Center Spacing**

**Series CB/CFT Variations**

![Diagram of Series CB/CFT Variations](image-url)

**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: .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, CFTP, CFTD: screw terminal with No. 6-32 plated steel* screw accepting wire up to No. 12AWG  
- CBPW, CFTW: 6-32 combo head screw with captivated traveling wire clamp  
- CFTQW, CFTDW, CBDRW

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

### Dimensions

<table>
<thead>
<tr>
<th>Number of Terminals</th>
<th>A ± .031 Overall Dimensions (O.D.)</th>
<th>B ± .031 Mounting Dimensions (M.D.)</th>
<th>C ± .031 Less Mounting Positions</th>
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</thead>
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<td>Inches</td>
<td>Metric (mm)</td>
<td>Inches</td>
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Dimensions shown are ± 0.030"

### Series CB/CFT Dimensions

- “A” O.D.  
- “B” M.D.  
- “C” Less End Mountings

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

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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
OB/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.


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

Dimensions shown are ± 0.030"
Series 43000

How to Order

**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

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**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. 01961200, 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—

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**Specifications subject to change. Dimensions are shown for reference purposes only.**
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.

PC BOARD DRILLING DIMENSIONS

2-11 Terminals
Ø.079 (No. 47 Drill)
12 Terminals and Over
Ø.093 (No. 42 Drill)

RECOMMENDED PANEL CUTOUT DIMENSIONS

Mounting Holes
Feed-Thru – Panel Hole Dia. = .281 (7.13)
Series GFT/GB 7/16” (11.11mm) Center-to-Center Spacing

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


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, GBPBA, GBSA, GFTA, GFTSA, GFTPA** – Screw terminal with No. 8-32 plated steel* screw accepting up to No. 12AWG wire

* Other materials available – contact factory or your local representative for additional information.
Specifications:
Center-to-Spaceing: 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, GFT1L rated for 300 volts.
** GFTQLX 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 Phenolic
“X” Grade 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:
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 sock number GBP10.

PC BOARD DRILLING DIMENSIONS

<table>
<thead>
<tr>
<th>Number of Terminals</th>
<th>2-11 Terminals Ø.079 (No. 47 Drill)</th>
<th>12 Terminals and Over Ø.093 (No. 42 Drill)</th>
</tr>
</thead>
<tbody>
<tr>
<td>O.D.</td>
<td>.375 (9,52)</td>
<td>.190 Dia. Mfg. Holes (2) (4,82)</td>
</tr>
<tr>
<td>M.D.</td>
<td>.312 (7,92)</td>
<td>.190 Dia. Mfg. Holes (2) (4,82)</td>
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<tr>
<td>.437 (3,65)</td>
<td>.437 Type</td>
<td>.437 Type</td>
</tr>
<tr>
<td>.500 (12,7)</td>
<td>.500 Type</td>
<td>.500 Type</td>
</tr>
</tbody>
</table>

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

TB21

TB22

TB23

TB24

TB25

TB26

Specifications subject to change. Dimensions are shown for reference purposes only.
TINNERMAN NUT
GFT – for speed mounting of terminal blocks less mounting position.
Part No. TN-437.

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. 267A18-1 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

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
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.


**Series 1500 Dimensions**

<table>
<thead>
<tr>
<th>Series 1500 Variations</th>
<th>Dual Row Series 1500 Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>YWY wire-wrap terminal</td>
<td>.180 (4.57)</td>
</tr>
<tr>
<td>W wire clamp</td>
<td>.375 Typ. (9.52)</td>
</tr>
<tr>
<td>3/4 ST single solder lug</td>
<td>.093 Dia. Holes (2)</td>
</tr>
<tr>
<td>YWY wire-wrap terminal</td>
<td>.031 (.787)</td>
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<tr>
<td>W wire clamp</td>
<td>.278 (7.06)</td>
</tr>
<tr>
<td>3/4 ST single solder lug</td>
<td>.433 (11.0)</td>
</tr>
<tr>
<td>YWY wire-wrap terminal</td>
<td>.170 Dia. Mfg. Holes (4)</td>
</tr>
<tr>
<td>W wire clamp</td>
<td>.375 Max. Lug Access</td>
</tr>
<tr>
<td>3/4 ST single solder lug</td>
<td>.180 (4.57)</td>
</tr>
<tr>
<td>YWY wire-wrap terminal</td>
<td>.375 Typ. (9.52)</td>
</tr>
</tbody>
</table>


COMPLIES WITH IEC 947-7-1
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.

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.

<table>
<thead>
<tr>
<th>Number of terminals</th>
<th>Mounting Dimensions</th>
<th>Overall Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Inches</td>
<td>Metric (mm)</td>
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</table>

Dimensions Shown are ± 0.030”

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

**INTERNAL TERMINAL DESIGNATIONS**

- **2000-Y** printed circuit board design with .062” x .031” solderable tin-plated pin
- **2000-YSY** solder pin
- **2000-WYY** wire wrap

**EXTERNAL TERMINAL DESIGNATIONS**

- **2000** screw terminal with No. 6-32 plated steel* screw accepting up to No. 10AWG wire
- **2000-ST** solderable tin-plated double solder tab
- **2000-3/4ST** solderable tin-plated single solder tab
- **2000-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 2000 Variations**

- **Y** printer circuit terminal
- **W** wire clamp
- **.652 (15.87)**
- **.062 (1.57)**
- **.062 (1.57)**
- **.234 (5.94)**
- **.375 Max. Lug Access (9.52)**
- **.180 (4.57)**
- **.185Dia. Holes (4)**
- **.190 Dia. Mfg. Holes (4)**
- **.031 (.787)**
- **.312 (7.93)**
- **.500 (12.7)**

**Series 2000 Dimensions**

- **O.D.**
- **M.D.**
- **.4375" (11.11mm) Center-to-Center Spacing**
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

Material: Polyphenylene Oxide

Temps (UL Index) 110°C (230°F)

Flammability Rating: 94V-0

Continuous Use

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.

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
- YWW 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 as assembled or as customer-installed accessory.

PC BOARD DRILLING DIMENSIONS

<table>
<thead>
<tr>
<th>Number of Terminals</th>
<th>Mounting Dimensions</th>
<th>Overall Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Inches</td>
<td>Metric (mm)</td>
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</tr>
</tbody>
</table>

Dimensions Shown are ± 0.030"

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

Specifications subject to change. Dimensions are shown for reference purposes only.

Distributor of Curtis Industries: Excellent Integrated System Limited
Datasheet of T-1 - Connector Barrier Block Strip 1 Circuit

Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com
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

COVERS
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 278A28 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

Dimensions are in inches and millimeters unless otherwise specified.
Values in parentheses are metric equivalents.
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 captive 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 15A/300V, M Series 15A/300V

**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, captive clamp assemblies per terminal accepting wire up to No. 14AWG


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

Specifications subject to change. Dimensions are shown for reference purposes only.
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.

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.

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<th>Overall Dimensions</th>
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Series M Dimensions

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

Dimensions shown are ± 0.030”

Series M Dimensions

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

**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

**Series 5600 Dimensions**

**Series 5600 Variations**

0 = Flush Mount
1 = Turret Type Solder Terminal
**TERMINAL BLOCK JUMPERS**
Jumpers constructed of plated brass permit connections of 2 poles or shipped bulk.

**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 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 travelling 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


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

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**Series SW Dimensions**

![Diagram of Series SW Dimensions](image-url)

**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
  - Terminal - Terminal: 7,000V Typ.
  - Terminal - Ground: 8,400V Typ.
- SWT/DSWT
  - Terminal - Terminal: 4,700V Typ.
  - Terminal - Ground: 8,200V Typ.
- SWTC/DSWTC
  - Terminal - Ground: 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 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.

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

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.


How to Order

W and DW 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. A 2-pole DWT module becomes stock number 2PDWT and a DWH Type available as a single terminal module only is referred to as PDWH.
**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. 8AWG

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

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

**Tightening Torque:**
- WT, WTC: 25 in.-lb.
- WH: 45 in.-lb. (4-6AWG)
- WH: 40 in.-lb. (8AWG)
- WH: 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

**Breakdown Voltage:**
- 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, circuit breakers, 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 ± .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

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

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


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

- O.D.: 0.421 (10.71)
- M.D.: 0.468 (11.90)
- Marking Strip: 0.75 (19.05)
- .218 x .375 Lg. Mtg. Holes (5.53 x 9.52)
- 1.00 (25.4)
- 2.00 (50.8)

Dimensions shown are ± 0.030”
Distributor of Curtis Industries: Excellent Integrated System Limited
Datasheet of T-1 - Connector Barrier Block Strip 1 Circuit

Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

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

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<tr>
<td>46</td>
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<tr>
<td>47</td>
<td>26.846</td>
<td>681.88</td>
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<tr>
<td>48</td>
<td>27.393</td>
<td>695.78</td>
</tr>
<tr>
<td>49</td>
<td>27.940</td>
<td>709.68</td>
</tr>
<tr>
<td>50</td>
<td>28.488</td>
<td>723.50</td>
</tr>
</tbody>
</table>

Dimensions shown are ± 0.030"
Specifications:
Center-to-Center Spacing: .629" (15.98mm)
Wire Range:
1AWG (7 & 19 strand only), 2 AWG to 22AWG
No. of Terminals: 2, 3, 5 & 6
Voltage Rating: CSA & UL: 600V
Tightening Torque:
1AWG thru 4AWG 35 in.-lb. max
6AWG thru 14AWG 30 in.-lb. max
16AWG thru 22AWG 25 in.-lb. max
Current Rating:
86 amps – Copper Wire
50 amps – Aluminum Wire
Housing:
Material: Reinforced PBT Polyester
Continuous Use
Temp. (UL Index): 140°C (284°F)
Flammability Rating: 94V-0
Water Absorption
(24 hrs. % wt. gain): 0.7%
Chemical Resistance: Excellent in most environments
Breakdown Voltage:
Terminal - Terminal 7,500V Typ.
Terminal - Ground 7,000V Typ.
Terminals: 2, 3, 5 or 6

Features:
• DIN rail or base mounting (panel mounting with #6 screw)
• Captive, combo head screws
• Factory or field writing
• 600V at 85A
• Blocks can be placed end-to-end while maintaining center-to-center spacing
• .629 Center-to-Center Spacing
• Wire acceptance from 22AWG to 2AWG, 1AWG (7 & 19 strand only)
• No end moldings, mounting brackets or metal mounting clamps required
• Available pre-assembled to rail or in bulk


Series 71000 6-Pole Dimensions
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
Types H & BT .652" (16.56mm) Center-to-Center Spacing

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


TERMINAL DESIGNATIONS

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H</td>
<td>Brass bar with high-pressure solderless connectors accepting wire form No. 16AWG to 4AWG.</td>
</tr>
<tr>
<td>BT</td>
<td>Brass terminal bar with two No. 10-32 plated steel terminal screws accepting wire up to No. 10AWG.</td>
</tr>
</tbody>
</table>

Types H & BT Terminal Variations

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H</td>
<td>high-pressure solderless connector</td>
</tr>
<tr>
<td>BT</td>
<td>terminal bar with two No. 10-32 screws</td>
</tr>
</tbody>
</table>

Types H & BT Dimensions

NOTE: mm dim. are shown in parentheses.
Specifications:
Center-to-Center Spacing: 0.652" (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. (4AWG 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:
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).

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/HT (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

Dimensions shown are ± 0.030"
Types T & U 1.16" (28.46mm) Center-to-Center Spacing

**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. 6 AWG to No. 1/0AWG wire. Type U is rated 250A/600V and features headless socket screw, UL recognized for No. 6 AWG to 250MCM wire.

**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: 150°C (302°F)
- Flammability Rating: 94V-1
- Water Absorption: 0.5%
- Chemical Resistance: Resistant to most organic solvents

**Breakdown Voltage:**
- Terminal - Terminal: T 11,000V Typ., U 9,000V Typ.
- Terminal - Ground: T 9,700V Typ., U 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.)

<table>
<thead>
<tr>
<th>Number of Terminals</th>
<th>Mounting Dimensions</th>
<th>Overall Dimensions</th>
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</thead>
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<tr>
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<td>Inches</td>
<td>Metric (mm)</td>
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<td>173.16</td>
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<tr>
<td>6</td>
<td>7.976</td>
<td>202.59</td>
</tr>
</tbody>
</table>

Dimensions shown are ± 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),

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.

**Types L, O & S Terminal Dimensions**

<table>
<thead>
<tr>
<th>Type</th>
<th>M.D.</th>
<th>O.D.</th>
<th>Lg. Mtg. Holes</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>1/4 – 20</td>
<td>1/2 – 16</td>
<td>.218 x .375</td>
</tr>
<tr>
<td>O</td>
<td>5/16 – 18</td>
<td>3/8 – 16</td>
<td>(5.53) x (9.52)</td>
</tr>
<tr>
<td>S</td>
<td>7/32 – 16</td>
<td>1.00 – 20</td>
<td></td>
</tr>
</tbody>
</table>

NOTE: Lugs are not furnished with blocks mm dim., are shown in parentheses
Specifications:

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

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 – Terminal - Terminal 11,000V Typ.
O – Terminal - Terminal 10,900V Typ.
S – Terminal - Ground 10,400V Typ.

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

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.)

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

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

Specifications subject to change.
Dimensions are shown for reference purposes only.

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 marked with a on the following pages. Socket Assemblies listed by Canadian Standards Association are marked with a and are covered by Report No. LR19623.

www.curtisind.com

Specifications subject to change. Dimensions are shown for reference purposes only.
CUS Series

CUS8 and CUS11
8 and 11-Pin Unitized Octal-Type Socket Assemblies

Specifications:
Rating: 10 amps, 300 volts
Track: TR2
48” length holds up to 30 CUS8 sockets and 21 CUS11 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
CUS11 – 11-pin receptacle for 3PDT 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

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

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

Specifications subject to change. Dimensions are shown for reference purposes only.
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: 2-56 screws with clamps (1/4" center-to-center spacing)
Wire: up to two 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: 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.
## DIN Rail Terminal Blocks

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<th>UL Rating</th>
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<th>#22 (0.75)</th>
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### Specifications

**Curtis Industries**
A Division of Powers Holdings, Inc.
www.curtisind.com
Specifications subject to change.

---

**Datasheet of T-1 - Connector Barrier Block Strip 1 Circuit**

**Contact us:** sales@integrated-circuit.com  
**Website:** www.integrated-circuit.com

---

**DIN TERMINAL BLOCKS**

Screw Connection

#### Single Level

- **Plastic Body:** Polyamide 6.6
- **Internal Bus:** Nickel-plated brass
- **Clamp:** Hardened steel, electroplated 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

- **Dimensions**
  - Opening: 44 mm (L) x 36 mm (H) x 5 mm (W)
  - Stripping Length: 3.6 x 2.6 mm
  - Screw Thread: M 2.6
  - Central Thread: M 2.5
  - Conductor Capacity: 2 x 1.5 mm²
  - Number of Connnectable Conductors: 4 slots on both sides

---

**6104000**

4/6 Feed Through

- **Dimensions**
  - Opening: 44 mm (L) x 36 mm (H) x 6 mm (W)
  - Stripping Length: 4 x 3.3 mm
  - Screw Thread: M 3
  - Central Thread: M 3
  - Conductor Capacity: 4 x 1.5 mm²

---

**6106000**

6/8 Feed Through

- **Dimensions**
  - Opening: 50 mm (L) x 44 mm (H) x 7 mm (W)
  - Stripping Length: 5 x 4 mm
  - Screw Thread: M 3.5
  - Central Thread: M 3
  - Conductor Capacity: 2 x 4 mm²

---

**Accessories**

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<th>Wire Range</th>
<th>Voltage Rating</th>
<th>Current Rating</th>
<th>Tightening Torque</th>
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<td>600V</td>
<td>20A</td>
<td>Max. 0.5 Nm</td>
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<td>20A</td>
<td>Max. 0.6 Nm</td>
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<td>Max. 1.2 Nm</td>
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**Test Plug Adapter**

- Red
- Black
- Blue
- Gray
- Orange
- Yellow
- Green
- Yellow-Green
- Brown

---

**End Brush**

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<tr>
<td>6800010 - 44 mm (L) x 35 mm (H) x 1.5 mm (W)</td>
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<td>6800051 - 55 mm (L) x 44 mm (H) x 1.5 mm (W)</td>
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<td>6800075 - 47 mm (L) x 24.5 mm (H) x 4.8 mm (W)</td>
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<td>68000110 - 5M Jumper Bar</td>
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<td>68000102 - 100 pieces</td>
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<td>68001003 - 100 pieces</td>
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<tr>
<td>68001004 - 100 pieces</td>
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<td>6804150 - 58 mm (L) x 36 mm (H) x 9 mm (W)</td>
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**Specifications subject to change. Dimensions are shown for reference purposes only.**
### Distributor of Curtis Industries: Excellent Integrated System Limited

Datasheet of T-1 - Connector Barrier Block Strip 1 Circuit

Contact us: sales@integrated-circuit.com  Website: www.integrated-circuit.com

**Dimensions**

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

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<tr>
<th>Cat. No.</th>
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<th>B7</th>
<th>B9</th>
<th>B11</th>
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<tbody>
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<td>10/9 Feed Through</td>
<td>6116000 16-25/12 Feed Through</td>
<td>6135000 35-50/16 Feed Through</td>
<td>6170000 70/26 Feed Through</td>
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<th>Stranded conductors mm² 1.5-10</th>
<th>2 x 6 mm²</th>
<th>Solid conductors mm² 1.5-25</th>
<th>Stranded conductors mm² 1.5-25</th>
<th>DIN 46288 / 1 mm² 1.5-10</th>
<th>2 x 10 mm²</th>
<th>Solid conductors mm² 2.5-50</th>
<th>Stranded conductors mm² 2.5-50</th>
<th>DIN 46288 / 1 mm² 2.5-50</th>
<th>2 x 25 mm²</th>
<th>Solid conductors mm² 16-70</th>
<th>Stranded conductors mm² 16-70</th>
<th>DIN 46288 / 1 mm² 16-70</th>
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<td>50 mm (L) x 44 mm (H) x 9 mm (W)</td>
<td>56 mm (L) x 49 mm (H) x 12 mm (W)</td>
<td>62 mm (L) x 61 mm (H) x 16 mm (W)</td>
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**Cat. No.**

| 6110000 – Gray | 6110001 – Blue | 6110004 – Yellow-Green | 6110005 – Green | 6110006 – Yellow | 6110007 – Orange |
| 6116000 – Gray | 6116001 – Blue | 6116004 – Yellow-Green | 6116006 – Yellow | 6116007 – Orange | 6116008 – Red |

**Material**

- Solid conductors
- Stranded conductors
- 20-6 AWG
- 20-6 AWG
- 10 mm²
- 14-4 AWG
- 14-4 AWG
- 25 mm²
- 14-10 AWG
- 14-10 AWG
- 50 mm²
- 4-30 AWG
- 4-30 AWG
- 70 mm²

**Connection Type**

- Screw Connection

**Contact Information**

- Contact us: sales@integrated-circuit.com
- Website: www.integrated-circuit.com
**Screw Connection Single Level**

- **Plastic Body:** Polyamide 6.6
- **Internal Bus:** Nickel-plated brass
- **Clamp:** Hardened steel, electroplated with zinc yellow-chromated
- **Screws:** Steel, zinc-plated and yellow-chromated
- **Tracking Resistance:** IEC 112: CTI > 600

**Dimensions**

- **Opening:** 4 x 3.3 mm
- **Stripping Length:** 10 mm
- **Central Thread:** M 3

**Connectors with Ferrules**

- **Conductors with Ferrules:** DIN 46288 / 1 mm²
- **Number of Connectable Conductors:** 4 x 1.5 mm²

**Approvals**

- **Wire Range:** 24-10 AWG
- **Voltage Rating:** 300V
- **Current Rating:** 30A
- **Tightening Torque:** Max. 0.6 Nm

**Accessories**

- **Available Colors:**
  - Gray
  - Blue
  - Black
  - Yellow-Green
  - Yellow
  - Orange
  - Red
  - Green

- **End Plate:** Qty. pk. 10
- **Separator:** Qty. pk. 100
- **Cover:** Qty. pk. 100
- **Jumper-Bar Package:**
  - 2 pole: 10 pieces
  - 3 pole: 100 pieces
  - 4 pole: 100 pieces
- **End Bracket:** Qty. pk. 100

---

**Screw Connection Dual Level**

- **Plastic Body:** Polyamide 66.6 VO
- **Internal Bus:** Silver plated copper
- **Clamp:** Hardened steel, electroplated with zinc yellow-chromated
- **Screws:** Steel, zinc-plated and yellow chromated
- **Tracking Resistance:** IEC 112: CTI > 600

**Dimensions**

- **Opening:** 4 x 3.3 mm
- **Stripping Length:** 10 mm
- **Terminal Screw:** M 3

**Connectors with Ferrules**

- **Conductors with Ferrules:** DIN 46288 / 1 mm²
- **Number of Connectable Conductors:** 4 x 1.5 mm²

**Approvals**

- **Wire Range:** 24-10 AWG
- **Voltage Rating:** 300V
- **Current Rating:** 30A
- **Tightening Torque:** Max. 0.6 Nm

**Accessories**

- **Available Colors:**
  - Gray
  - Blue
  - Black
  - Brown
  - Yellow-Green
  - Green
  - Yellow
  - Orange
  - Red
  - White

- **End Plate:** Qty. pk. 10
- **Cover:** Qty. pk. 100
- **Jumper-Bar Package:**
  - 2 pole: 100 pieces
  - 3 pole: 100 pieces
  - 4 pole: 100 pieces
- **End Bracket:** Qty. pk. 100
- **Test plug adapter (red):**
- **Test plug adapter (black):**
Datasheet of T-1 - Connector Barrier Block Strip 1 Circuit

Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

Dimensions are in inches and millimeters  ... x  
36 mm (H) x 9 mm (W) 
6800501 6800501 6800501 6800501
6800500 6800500 6800500 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

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
### Specifications

#### Dimensions

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<thead>
<tr>
<th>Description</th>
<th>Measurement</th>
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<tbody>
<tr>
<td>Opening</td>
<td>4 x 3.3 mm</td>
</tr>
<tr>
<td>Stripping Length</td>
<td>10 mm</td>
</tr>
<tr>
<td>Rating</td>
<td>M 3</td>
</tr>
<tr>
<td>Rating</td>
<td>3, 4 K / 12-24V</td>
</tr>
<tr>
<td>Connecting Capacity</td>
<td>Solid conductors mm² 0.5-6</td>
</tr>
<tr>
<td>Number of Connectable Conductors</td>
<td>4 x 1.5 mm²</td>
</tr>
<tr>
<td>Approval</td>
<td>Wire Range</td>
</tr>
<tr>
<td>Voltage Rating</td>
<td>Current Rating</td>
</tr>
<tr>
<td>Tightening Torque</td>
<td>Max 0.6 Nm</td>
</tr>
<tr>
<td>Accessory</td>
<td>End Plate</td>
</tr>
<tr>
<td>Accessory</td>
<td>Qty. pk. 10</td>
</tr>
<tr>
<td>Accessory</td>
<td>Cover</td>
</tr>
<tr>
<td>Accessory</td>
<td>Qty. pk. 100</td>
</tr>
<tr>
<td>Accessory</td>
<td>End Bracket</td>
</tr>
<tr>
<td>Accessory</td>
<td>Qty. pk. 100</td>
</tr>
</tbody>
</table>

#### Colors

- End Plate: Qty. pk. 25
- Accessory: Qty. pk. 10
- Accessory: Qty. pk. 100
- Accessory: Qty. pk. 10

#### Accessories

- Jumpers: 2 pole / Blue, 3 pole / Blue, 4 pole / Blue, 12-Pole / Blue
- Jumpers: 2 pole / Red, 3 pole / Red, 4 pole / Red, 12-Pole / Red
- End Bracket: Qty. pk. 50

---

**Distributor of Curtis Industries: Excellent Integrated System Limited**

Datasheet of T-1 - Connector Barrier Block Strip 1 Circuit

Contact us: sales@integrated-circuit.com  Website: www.integrated-circuit.com
## DIN TERMINAL BLOCKS

**Screw Connection**

### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Description</th>
<th>Dimensions</th>
<th>Lead Count</th>
<th>Cat. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>6302000</td>
<td>T 2.5/5.3 Feed Through</td>
<td>78.5 mm (L) x 47.5 mm (H) x 5.3 mm (W)</td>
<td>7 mm</td>
<td>0.5-4</td>
<td>6302000 – Gray&lt;br&gt;6302001 – 55.4 mm (L) x 50 mm (H) x 1.5 mm (W)&lt;br&gt;6302012 – 100 pieces&lt;br&gt;6302013 – 100 pieces&lt;br&gt;6302014 – 100 pieces&lt;br&gt;6302020 – 10 pieces&lt;br&gt;6302021 – 100 pieces&lt;br&gt;6302022 – 100 pieces&lt;br&gt;6302023 – 100 pieces&lt;br&gt;6302024 – 100 pieces&lt;br&gt;6302030 – 10 pieces&lt;br&gt;6304150 – 58 mm (L) x 36 mm (H) x 9 mm (W)</td>
</tr>
<tr>
<td>6302100</td>
<td>T 2.5/5.3</td>
<td>62 mm (L) x 47.5 mm (H) x 5.3 mm (W)</td>
<td>7 mm</td>
<td>0.5-4</td>
<td>6302100 – Gray&lt;br&gt;6302101 – 55.4 mm (L) x 50 mm (H) x 1.5 mm (W)&lt;br&gt;6302112 – 100 pieces&lt;br&gt;6302113 – 100 pieces&lt;br&gt;6302114 – 100 pieces&lt;br&gt;6302120 – 10 pieces&lt;br&gt;6302121 – 100 pieces&lt;br&gt;6302122 – 100 pieces&lt;br&gt;6302123 – 100 pieces&lt;br&gt;6302124 – 100 pieces&lt;br&gt;6302130 – 10 pieces&lt;br&gt;6304150 – 58 mm (L) x 36 mm (H) x 9 mm (W)</td>
</tr>
<tr>
<td>6302110</td>
<td>T 2.5/5.3 PNP LED Sensor</td>
<td>62 mm (L) x 47.5 mm (H) x 5.3 mm (W)</td>
<td>7 mm</td>
<td>0.5-4</td>
<td>6302110 – Gray&lt;br&gt;6302111 – 55.4 mm (L) x 50 mm (H) x 1.5 mm (W)&lt;br&gt;6302122 – 100 pieces&lt;br&gt;6302123 – 100 pieces&lt;br&gt;6302124 – 100 pieces&lt;br&gt;6302130 – 10 pieces&lt;br&gt;6304150 – 58 mm (L) x 36 mm (H) x 9 mm (W)</td>
</tr>
<tr>
<td>6302120</td>
<td>T 2.5/5.3 NPN LED Sensor</td>
<td>62 mm (L) x 42.5 mm (H) x 5.3 mm (W)</td>
<td>7 mm</td>
<td>0.5-4</td>
<td>6302120 – Gray&lt;br&gt;6302121 – 55.4 mm (L) x 42.5 mm (H) x 1.5 mm (W)&lt;br&gt;6302122 – 100 pieces&lt;br&gt;6302123 – 100 pieces&lt;br&gt;6302124 – 100 pieces&lt;br&gt;6302130 – 10 pieces&lt;br&gt;6304150 – 58 mm (L) x 36 mm (H) x 9 mm (W)</td>
</tr>
</tbody>
</table>

**Contact Information**

- **Distributor:** Excellent Integrated System Limited
- **Datasheet:** T-1 - Connector Barrier Block Strip 1 Circuit
- **Contact:** sales@integrated-circuit.com
- **Website:** www.integrated-circuit.com

**Notes:**
- Dimensions are in inches and millimeters unless otherwise specified.
- Values in parentheses are metric equivalents.

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[Image of DIN TERMINAL BLOCKS]

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**Curtis Industries**

A Division of Powers Holdings, Inc.

1-800-657-0853

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69
Curtis Industries
A Division of Powers Holdings, Inc.
www.curtisind.com
Specifications subject to change.
Dimensions are shown for reference purposes only.

**DIN TERMINAL BLOCKS**

<table>
<thead>
<tr>
<th>DIN TERMINAL BLOCKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screwless Connection</td>
</tr>
</tbody>
</table>

**Screwless Single Level**
- **Plastic Body:** Polyamide 6.6 VO
- **Internal Bus:** Tin-plated copper
- **Spring:** Stainless steel
- **Tracking Resistance:**
  - IEC 112: CTI > 600
  - VDE 0303: KB > 600

<table>
<thead>
<tr>
<th><strong>Dimensions</strong></th>
<th><strong>6102100</strong> 2.5/5 Feed Through</th>
<th><strong>6104100</strong> 4/6 Feed Through</th>
<th><strong>6106100</strong> 6/8 Feed Through</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>53 mm (L) x 28.5 mm (H) x 5 mm (W)</td>
<td>58 mm (L) x 34.5 mm (H) x 6 mm (W)</td>
<td>63 mm (L) x 36.5 mm (H) x 8 mm (W)</td>
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<table>
<thead>
<tr>
<th><strong>Stripping Length</strong></th>
<th><strong>6102100</strong></th>
<th><strong>6104100</strong></th>
<th><strong>6106100</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid conductors mm²</td>
<td>1-2.5</td>
<td>1.5-4</td>
<td>2.5-6</td>
</tr>
<tr>
<td>Stranded conductors mm²</td>
<td>1-2.5</td>
<td>1.5-4</td>
<td>2.5-6</td>
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<table>
<thead>
<tr>
<th><strong>Connecting Capacity</strong></th>
<th><strong>6102100</strong></th>
<th><strong>6104100</strong></th>
<th><strong>6106100</strong></th>
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<tr>
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<td>1.5-4</td>
<td>2</td>
</tr>
<tr>
<td>Stranded conductors mm²</td>
<td>1-2.5</td>
<td>1.5-4</td>
<td>2.5-6</td>
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<table>
<thead>
<tr>
<th><strong>Gauges</strong></th>
<th><strong>6102100</strong></th>
<th><strong>6104100</strong></th>
<th><strong>6106100</strong></th>
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<tbody>
<tr>
<td>A3</td>
<td>24-12 AWG</td>
<td>24-10 AWG</td>
<td>22-8 AWG</td>
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<tr>
<td></td>
<td>600V</td>
<td>600V</td>
<td>600V</td>
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<tr>
<td>A4</td>
<td>24-12 AWG</td>
<td>24-10 AWG</td>
<td>22-8 AWG</td>
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<tr>
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<td>600V</td>
<td>600V</td>
<td>600V</td>
</tr>
<tr>
<td>A5</td>
<td>24-10 AWG</td>
<td>24-10 AWG</td>
<td>22-8 AWG</td>
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<tr>
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<td>600V</td>
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<table>
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<tr>
<th><strong>Approvals</strong></th>
<th><strong>6102100</strong></th>
<th><strong>6104100</strong></th>
<th><strong>6106100</strong></th>
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<tbody>
<tr>
<td></td>
<td>20A</td>
<td>30A</td>
<td>50A</td>
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<tr>
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<td>24A</td>
<td>32A</td>
<td>41A</td>
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<table>
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<th><strong>6104100</strong></th>
<th><strong>6106100</strong></th>
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</thead>
<tbody>
<tr>
<td>Available Colors</td>
<td>6102100 – Gray</td>
<td>6104100 – Gray</td>
<td>6106100 – Gray</td>
</tr>
<tr>
<td></td>
<td>6102101 – Blue</td>
<td>6104101 – Blue</td>
<td>6106101 – Blue</td>
</tr>
<tr>
<td>End Plate Qty.</td>
<td>6800030 – 50 mm (L) x 23 mm (H) x 1.5 mm (W)</td>
<td>6800021 – 50 mm (L) x 23 mm (H) x 1.5 mm (W)</td>
<td>6800022 – 50 mm (L) x 23 mm (H) x 1.5 mm (W)</td>
</tr>
<tr>
<td></td>
<td>6804150 – 58 mm (L) x 36 mm (H) x 9 mm (W)</td>
<td>6804150 – 58 mm (L) x 36 mm (H) x 9 mm (W)</td>
<td>6804150 – 58 mm (L) x 36 mm (H) x 9 mm (W)</td>
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<tr>
<td>Jumper-Bar Qty.</td>
<td>6801050</td>
<td>6801050</td>
<td>6801050</td>
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<tr>
<td></td>
<td>10</td>
<td>10</td>
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</table>
**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

**Dimensions**

<table>
<thead>
<tr>
<th>Stripping Length</th>
<th>Dimensions</th>
<th>Connecting Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>68.5 mm (L) x 28.5 mm (H) x 5 mm (W)</td>
<td>Solid conductors mm² 1-2.5</td>
</tr>
<tr>
<td></td>
<td>87.5 mm (L) x 28.5 mm (H) x 5 mm (W)</td>
<td>Stranded conductors mm² 1-2.5</td>
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<tr>
<td></td>
<td>98 mm (L) x 37.5 mm (H) x 5 mm (W)</td>
<td>Solid conductors mm² 1-2.5</td>
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<table>
<thead>
<tr>
<th>Gauges</th>
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<tbody>
<tr>
<td>A3</td>
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**Approvals**

<table>
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<tr>
<th>Wire Range</th>
<th>Voltage Rating</th>
<th>Current Rating</th>
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</thead>
<tbody>
<tr>
<td>24-12 AWG</td>
<td>600V 600V 630V</td>
<td>20A 20A 24A</td>
</tr>
<tr>
<td>24-12 AWG</td>
<td>600V 600V 630V</td>
<td>20A 20A 24A</td>
</tr>
<tr>
<td>24-12 AWG</td>
<td>600V 600V 630V</td>
<td>20A 20A 24A</td>
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**ACCESSORIES**

<table>
<thead>
<tr>
<th>Available Colors</th>
<th>Cat. No.</th>
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<tbody>
<tr>
<td></td>
<td>6102300 – Gray 6102301 – Blue</td>
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<table>
<thead>
<tr>
<th>End Plate Qty. pk. 25</th>
<th>Cat. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>6800025 – 50 mm (L) x 23 mm (H) x 1.5 mm (W)</td>
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<tr>
<td>6800026 – 50 mm (L) x 23 mm (H) x 1.5 mm (W)</td>
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<tr>
<td>6800027 – 50 mm (L) x 23 mm (H) x 1.5 mm (W)</td>
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<thead>
<tr>
<th>End Bracket Qty. pk. 50</th>
<th>Cat. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>6804150 – 58 mm (L) x 36 mm (H) x 9 mm (W)</td>
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<tr>
<td>6804150 – 58 mm (L) x 36 mm (H) x 9 mm (W)</td>
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<tr>
<td>6804150 – 58 mm (L) x 36 mm (H) x 9 mm (W)</td>
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<td>6801050</td>
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<tr>
<td>6801050</td>
<td></td>
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</tbody>
</table>
### 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

#### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>6402000</th>
<th>6404000</th>
<th>6406000</th>
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<tbody>
<tr>
<td>Version</td>
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<td>4/6</td>
<td>6/8</td>
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#### Dimensions

<table>
<thead>
<tr>
<th>Mode</th>
<th>53 mm (L) x 28.5 mm (H) x 5 mm (W)</th>
<th>58 mm (L) x 34.5 mm (H) x 6 mm (W)</th>
<th>63 mm (L) x 36.5 mm (H) x 8 mm (W)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>12 mm</td>
<td>15 mm</td>
<td>15 mm</td>
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</tbody>
</table>

#### Stripping Length

- Solid conductors mm² 1-2.5
- Stranded conductors mm² 1-2.5
- Solid conductors mm² 1-2.4
- Stranded conductors mm² 1-2.4
- Solid conductors mm² 2.5-6
- Stranded conductors mm² 2.5-6

#### Connections

<table>
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<tr>
<th>Model</th>
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<th>24-12 AWG</th>
<th>2.5 mm²</th>
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<tbody>
<tr>
<td>6402000</td>
<td>6404000</td>
<td>6406000</td>
<td></td>
</tr>
<tr>
<td>6404000</td>
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</tr>
<tr>
<td>6406000</td>
<td>6406000</td>
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</tbody>
</table>

#### Colors

- Available Colors
- End Plate Qty. pk. 25
- End Bracket Qty. pk. 50
- Cat. No. 6402000 – Yellow-Green
- Cat. No. 6404000 – Yellow-Green
- Cat. No. 6406000 – Yellow-Green
## Fuse
- **Plastic Body:** Polyamide 6.6
- **Clamp:** Hardened steel, electroplated 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

### Dimensions
<table>
<thead>
<tr>
<th>Fuse</th>
<th>Opening</th>
<th>Stripping Length</th>
<th>Screw Thread</th>
<th>Connecting Capacity</th>
<th>Conductors with Ferrules</th>
<th>Number of Connectable Conductors</th>
<th>Gauges</th>
<th>Approvals</th>
<th>Wire Range</th>
<th>Voltage Rating</th>
<th>Current Rating</th>
<th>Tightening Torque</th>
<th>Lever</th>
<th>Internal Bus</th>
<th>Fuse Terminal</th>
<th>ACCESSORIES</th>
<th>Available Colors</th>
<th>End Bracket</th>
<th>Qty. pk.</th>
</tr>
</thead>
<tbody>
<tr>
<td>6104500 5x20</td>
<td>66 mm (L) x 44 mm (H) x 10 mm (W)</td>
<td>4 x 3.3 mm</td>
<td>M 3</td>
<td>Solid conductors mm² 0.5-6</td>
<td>DIN 46288 / 1 mm² 0.5-4</td>
<td>4 x 1.5 mm²</td>
<td>A4</td>
<td>24-10 AWG</td>
<td>300V</td>
<td>30A</td>
<td>Max 0.6 Nm</td>
<td>Plastic material resistant up to 250°C</td>
<td>Silver-plated brass</td>
<td>6104500 – Gray</td>
<td>6804150 – 58 mm (L) x 36 mm (H) x 9 mm (W)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6104110 5x20 LED</td>
<td>66 mm (L) x 44 mm (H) x 10 mm (W)</td>
<td>4 x 3.3 mm</td>
<td>M 3</td>
<td>Solid conductors mm² 0.5-6</td>
<td>DIN 46288 / 1 mm² 0.5-4</td>
<td>4 x 1.5 mm²</td>
<td>A4</td>
<td>24-10 AWG</td>
<td>300V</td>
<td>30A</td>
<td>Max 0.6 Nm</td>
<td>Plastic material resistant up to 250°C</td>
<td>Silver-plated brass</td>
<td>6104110 – 12-24V, 60V, 110V, 220V</td>
<td>6804150 – 58 mm (L) x 36 mm (H) x 9 mm (W)</td>
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<tr>
<td>6104600 5x20 Disconnect</td>
<td>66 mm (L) x 44 mm (H) x 10 mm (W)</td>
<td>4 x 3.3 mm</td>
<td>M 3</td>
<td>Solid conductors mm² 0.5-6</td>
<td>DIN 46288 / 1 mm² 0.5-4</td>
<td>4 x 1.5 mm²</td>
<td>A4</td>
<td>24-10 AWG</td>
<td>300V</td>
<td>30A</td>
<td>Max 0.6 Nm</td>
<td>Plastic material resistant up to 250°C</td>
<td>Silver-plated brass</td>
<td>6104600 – Gray</td>
<td>6804150 – 58 mm (L) x 36 mm (H) x 9 mm (W)</td>
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<td></td>
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</tr>
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</table>

**Warning:** DO NOT DISCONNECT UNDER LOAD

---

**Dimensions are in inches and millimeters unless otherwise specified.**

**Values in parentheses are metric equivalents.**
## Fuse Block

**Fuse**
- **Plastic Body:** Polyamide 6.6
- **Clamp:** Hardened steel, electroplated 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

### Dimensions

<table>
<thead>
<tr>
<th></th>
<th>6110010</th>
<th>6110110</th>
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<tbody>
<tr>
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<td>52 mm</td>
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<td>H</td>
<td>52 mm</td>
<td>52 mm</td>
<td>35 mm</td>
</tr>
<tr>
<td>W</td>
<td>10 mm</td>
<td>10 mm</td>
<td>5 mm</td>
</tr>
</tbody>
</table>

### Opening
- 6 x 5.5 mm

### Stripping Length
- 12 mm

### Screw Thread
- M 4

### Connecting Capacity
- Solid conductors mm² 1.5-16
- Stranded conductors mm² 1.5-10

### Conductors with Ferrules
- DIN 46288 / 1 mm² 1.5-10

### Number of Connectable Conductors
- 2 x 6 mm²

### Gauges
- B6

### Approvals
- Wire Range 20-6 AWG
- Voltage Rating 600V
- Current Rating 30A

### Tightening Torque
- Max 2.0 Nm

### Lever
- Plastic material resistant up to 250°C

### Internal Bus
- Silver-plated brass

### Fuse Terminal
- Silver-plated bronze

### ACCESSORIES

#### Available Colors
- 6110010 – Gray

#### End Bracket
- 6804150 – 58 mm (L) x 36 mm (H) x 9 mm (W)

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**Fuse Block**
- **Fuse Block**

### Specifications subject to change. Dimensions are shown for reference purposes only.
### DIN Ground

- **Plastic Body**: Polyamide 6.6
- **Clamp**: Hardened steel, electroplated 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

#### Accessories

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>6804150</td>
<td>58 mm (L) x 36 mm (H) x 7 mm (W)</td>
</tr>
<tr>
<td>6804150</td>
<td>58 mm (L) x 44 mm (H) x 8 mm (W)</td>
</tr>
<tr>
<td>6804150</td>
<td>58 mm (L) x 44 mm (H) x 10 mm (W)</td>
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#### Dimensions

<table>
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<tr>
<th>Product Code</th>
<th>Dimensions</th>
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<td>6104300/47</td>
<td>58 mm (L) x 36 mm (H) x 7 mm (W)</td>
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<td>6104310/68</td>
<td>58 mm (L) x 44 mm (H) x 8 mm (W)</td>
</tr>
<tr>
<td>6104320/1010</td>
<td>58 mm (L) x 44 mm (H) x 10 mm (W)</td>
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</tbody>
</table>

#### Opening

- 4 x 3.3 mm

#### Stripping Length

- 10 mm

#### Screw Thread

- M 3

#### Ground Screw

- M 3

#### Metal Part

- Tin-plated copper

#### Connecting Capacity

- Solid conductors mm² 0.5-4
- Stranded conductors mm² 0.5-4
- Solid conductors mm² 0.5-6
- Stranded conductors mm² 0.5-2.6
- Solid conductors mm² 1.5-10
- Stranded conductors mm² 1.5-10

#### Connectors with Ferrules

- DIN 46288 / 1 mm² 0.5-4
- DIN 46288 / 1 mm² 0.5-6
- DIN 46288 / 1 mm² 1.5-10

#### Number of Connectable Conductors

- 4 x 1.5 mm²
- 2 x 4 mm²
- 2 x 6 mm²

#### Gauges

- A4
- B6

#### Approvals

- Wire Range: 24-10 AWG
- Voltage Rating: 4 mm²
- Current Rating: 22-8 AWG
- Tightening Torque: Max 0.6 Nm

#### Tightening Torque

- ACCESSORIES
- End Bracket Qty. pk. 50

#### Contact Information

- Distributor of Curtis Industries: Excellent Integrated System Limited
- Datasheet of T-1 - Connector Barrier Block Strip 1 Circuit
- Contact us: sales@integrated-circuit.com
- Website: www.integrated-circuit.com

Dimensions are in inches and millimeters unless otherwise specified. Values in parentheses are metric equivalents.
Distributor of Curtis Industries: Excellent Integrated System Limited
Datasheet of T-1 - Connector Barrier Block Strip 1 Circuit

Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

### DIN Ground

- **Plastic Body:** Polyamide 6.6
- **Clamp:** Hardened steel, electroplated 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

### Specifications

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>6104330 16-25/12</th>
<th>6104340 35-50/16</th>
<th>6504010 4/6 Mini</th>
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<tr>
<td><strong>58 mm (L) x 49 mm (H) x 12 mm (W)</strong></td>
<td><strong>62 mm (L) x 60 mm (H) x 16 mm (W)</strong></td>
<td><strong>32 mm (L) x 28 mm (H) x 6 mm (W)</strong></td>
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<table>
<thead>
<tr>
<th>Opening</th>
<th><strong>7 x 7.4 mm</strong></th>
<th><strong>11 x 10 mm</strong></th>
<th><strong>18 mm</strong></th>
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<tr>
<td><strong>7 x 7.4 mm</strong></td>
<td><strong>11 x 10 mm</strong></td>
<td><strong>18 mm</strong></td>
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<th>14 mm</th>
<th>18 mm</th>
<th>4 x 3.3 mm</th>
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<td><strong>18 mm</strong></td>
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<table>
<thead>
<tr>
<th>Screw Thread</th>
<th>M 5</th>
<th>M 6</th>
<th>M 3</th>
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<tr>
<td><strong>M 5</strong></td>
<td><strong>M 6</strong></td>
<td><strong>M 3</strong></td>
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<table>
<thead>
<tr>
<th>Ground Screw</th>
<th>Brass</th>
<th>Tin-plated brass</th>
<th>Tin-plated Copper</th>
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<tr>
<th>Metal Part</th>
<th>Solid conductors mm² 1.5-25</th>
<th>Solid conductors mm² 2.5-50</th>
<th>Solid conductors mm² 0.5-4</th>
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<tr>
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<td><strong>Solid conductors mm² 2.5-50</strong></td>
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<thead>
<tr>
<th>Connecting Capacity</th>
<th>DIN 46288 / 1 mm² 1.5-16</th>
<th>DIN 46288 / 1 mm² 2.5-35</th>
<th>DIN 46288 / 1 mm² 1.5-4</th>
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<tr>
<td><strong>DIN 46288 / 1 mm² 1.5-16</strong></td>
<td><strong>DIN 46288 / 1 mm² 2.5-35</strong></td>
<td><strong>DIN 46288 / 1 mm² 1.5-4</strong></td>
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<table>
<thead>
<tr>
<th>Conductors with Ferrules</th>
<th>2 x 10 mm²</th>
<th>2 x 25 mm²</th>
<th>4 x 1.5 mm²</th>
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<tbody>
<tr>
<td><strong>2 x 10 mm²</strong></td>
<td><strong>2 x 25 mm²</strong></td>
<td><strong>4 x 1.5 mm²</strong></td>
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<table>
<thead>
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<th>Number of Connectable Conductors</th>
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<th>2 x 25 mm²</th>
<th>4 x 1.5 mm²</th>
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<tr>
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<td><strong>2 x 25 mm²</strong></td>
<td><strong>4 x 1.5 mm²</strong></td>
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<th>Gauges</th>
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<th>B9</th>
<th>A4</th>
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<th>UL 14-4 AWG</th>
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<table>
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<tr>
<th>Current Rating</th>
<th>Max 3.0 Nm</th>
<th>Max 5.0 Nm</th>
<th>Max 0.6 Nm</th>
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<td><strong>Max 3.0 Nm</strong></td>
<td><strong>Max 5.0 Nm</strong></td>
<td><strong>Max 0.6 Nm</strong></td>
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<td><strong>ACCESSORIES</strong></td>
<td><strong>Cat. No.</strong></td>
<td><strong>Cat. No.</strong></td>
<td><strong>Cat. No.</strong></td>
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</tr>
<tr>
<td><strong>End Bracket</strong></td>
<td>6804150 – 58 mm (L) x 36 mm (H) x 9 mm (W)</td>
<td>6804150 – 58 mm (L) x 36 mm (H) x 9 mm (W)</td>
<td>6804500 – 58 mm (L) x 36 mm (H) x 9 mm (W)</td>
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</table>

**Specifications subject to change. Dimensions are shown for reference purposes only.**
### Screw Connection Mounting Rails 35x7.5

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Materials</th>
<th>Weight / Pack</th>
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<tbody>
<tr>
<td>6804100</td>
<td>Steel zinc-plated and yellow-cromated</td>
<td>0.35 kg/m 14 Kg</td>
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<tr>
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<td>Al Mg Si 0.5</td>
<td>0.31 kg/m 12.5 Kg</td>
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<td></td>
<td>Electrolytic</td>
<td>Electrolytic</td>
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<tr>
<td></td>
<td>2 m</td>
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<tr>
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<td>40 m bundles</td>
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<tr>
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### Screw Connection Mounting Rails 35x7.5 Slotted

<table>
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<th>Materials</th>
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</tr>
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<tbody>
<tr>
<td>6804101</td>
<td>Steel zinc-plated and yellow-cromated</td>
<td>0.35 kg/m 14 Kg</td>
</tr>
<tr>
<td></td>
<td>Al Mg Si 0.5</td>
<td>0.31 kg/m 12.5 Kg</td>
</tr>
<tr>
<td></td>
<td>Electrolytic</td>
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<tr>
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<td>2 m</td>
<td>2 m</td>
</tr>
<tr>
<td></td>
<td>40 m bundles</td>
<td>40 m bundles</td>
</tr>
<tr>
<td></td>
<td>16-35-50 mm²</td>
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### Screw Connection Mounting Rails 35x15

<table>
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<th>Materials</th>
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</tr>
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<tbody>
<tr>
<td>6804110</td>
<td>Steel zinc-plated and yellow-cromated</td>
<td>0.63 kg/m 25 Kg</td>
</tr>
<tr>
<td></td>
<td>Al Mg Si 0.5</td>
<td>0.63 kg/m 3 Kg</td>
</tr>
<tr>
<td></td>
<td>Electrolytic</td>
<td>Electrolytic</td>
</tr>
<tr>
<td></td>
<td>2 m</td>
<td>2 m</td>
</tr>
<tr>
<td></td>
<td>20 m bundles</td>
<td>20 m bundles</td>
</tr>
<tr>
<td></td>
<td>0-95-150 mm²</td>
<td>0-95-150 mm²</td>
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### Screw Connection Mounting Rails 35x15 Slotted

<table>
<thead>
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<th>Materials</th>
<th>Weight / Pack</th>
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<tbody>
<tr>
<td>6804111</td>
<td>Steel zinc-plated and yellow-cromated</td>
<td>0.63 kg/m 24 Kg</td>
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<tr>
<td></td>
<td>Al Mg Si 0.5</td>
<td>0.63 kg/m 3 Kg</td>
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<tr>
<td></td>
<td>Electrolytic</td>
<td>Electrolytic</td>
</tr>
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<td>2 m</td>
<td>2 m</td>
</tr>
<tr>
<td></td>
<td>20 m bundles</td>
<td>20 m bundles</td>
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<tr>
<td></td>
<td>50-95-150 mm²</td>
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### Screw Connection Mounting Rails 15x5.5 Slotted

<table>
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<th>Weight / Pack</th>
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<tr>
<td>6804505</td>
<td>Steel zinc-plated and yellow-cromated</td>
<td>0.15 kg/m 3 Kg</td>
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<tr>
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<td>Al Mg Si 0.5</td>
<td>0.15 kg/m 3 Kg</td>
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<tr>
<td></td>
<td>Electrolytic</td>
<td>Electrolytic</td>
</tr>
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<td>2 m</td>
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<td></td>
<td>20 m bundles</td>
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<td>10-16-25 mm²</td>
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### Screw Connection Angled Support Bracket

<table>
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<th>Oval Fixing</th>
<th>Quantity pack</th>
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<tbody>
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### Slotted Screwdrivers (Tip Size)

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<th>3.0mm</th>
<th>3.5mm</th>
<th>4mm</th>
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### Marking Strips

**Series 6806100**

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

- 6806100 white (1-50)
- 6806101 51-100
- 6806103 101-150
- 6806104 151-200
- 6806150 L1-L2-L3, L, N,  +, −, COM, COM

**Series 6806000**

For terminal blocks: DIN 2.5, DIN T

- 6806000 white (1-100)
- 6806001 101-200
- 6806050 L1-L2-L3, L, N,  +, −, 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

- 6806660 white (0-9,  +, −, ~, =, ± , A-Z)
Custom Terminal Blocks *We Build Confidence!*

Curtis will design and manufacture custom terminal blocks when a standard block does not meet the requirements. Contact your local Curtis Representative or Curtis directly with your requirements.