### Terminal Blocks
#### Type 8WA1 Through-Type Terminals

Through-type Terminals with Thermoplastic Body, Screw Terminals on Both Sides

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Approval</th>
<th>UL</th>
<th>IEC</th>
<th>Description</th>
<th>Assembly Width</th>
<th>Catalog No</th>
<th>Price</th>
<th>Std Pack Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terminal Size 2.5</td>
<td>Max Current</td>
<td>26A</td>
<td>25A</td>
<td>26A</td>
<td>Single terminal, beige</td>
<td>0.24 (6)</td>
<td>8WA1011-1DF11</td>
<td>1.40</td>
</tr>
<tr>
<td>Wire Range</td>
<td>#22–#12 AWG</td>
<td>#10–#12 AWG</td>
<td>5,0.75 mm²</td>
<td>Solid &amp; Stranded Finely Stranded 0.5 mm²</td>
<td>Single terminal, red</td>
<td>0.24 (6)</td>
<td>8WA1011-1BF11</td>
<td>1.40</td>
</tr>
<tr>
<td>Voltage Rating</td>
<td>600V</td>
<td>600V</td>
<td>800V</td>
<td>Single terminal, orange</td>
<td>0.24 (6)</td>
<td>8WA1011-1BF22</td>
<td>1.40</td>
<td>100</td>
</tr>
<tr>
<td>Wire Strip Length</td>
<td>0.43 (11)</td>
<td>0.82mm</td>
<td></td>
<td>Single terminal, black</td>
<td>0.24 (6)</td>
<td>8WA1011-1BF24</td>
<td>1.40</td>
<td>100</td>
</tr>
<tr>
<td>Recommended Screw Tightening Torque</td>
<td>4.4 lbf-in. (0.5 Nm)</td>
<td></td>
<td></td>
<td>Single terminal, green/yellow</td>
<td>0.24 (6)</td>
<td>8WA1011-1PF11</td>
<td>1.40</td>
<td>100</td>
</tr>
<tr>
<td>Terminal Size 4</td>
<td>Max Current</td>
<td>35A</td>
<td>36A</td>
<td>34A</td>
<td>Single terminal, beige</td>
<td>0.28 (6.5)</td>
<td>8WA1011-1DG11</td>
<td>1.60</td>
</tr>
<tr>
<td>Wire Range</td>
<td>#18–#10 AWG</td>
<td>#16–#10 AWG</td>
<td>6,0.75 mm²</td>
<td>Solid &amp; Stranded Finely Stranded 1.5 mm²</td>
<td>Single terminal, blue</td>
<td>0.26 (6.5)</td>
<td>8WA1011-1DG11</td>
<td>1.60</td>
</tr>
<tr>
<td>Voltage Rating</td>
<td>800V</td>
<td>600V</td>
<td>800V</td>
<td>Single terminal, red</td>
<td>0.26 (6.5)</td>
<td>8WA1011-1DG21</td>
<td>1.60</td>
<td>100</td>
</tr>
<tr>
<td>Wire Strip Length</td>
<td>0.43 (11)</td>
<td>0.82mm</td>
<td></td>
<td>Single terminal, orange</td>
<td>0.26 (6.5)</td>
<td>8WA1011-1DG24</td>
<td>1.60</td>
<td>100</td>
</tr>
<tr>
<td>Recommended Screw Tightening Torque</td>
<td>4.4 lbf-in. (0.5 Nm)</td>
<td></td>
<td></td>
<td>Single terminal, black</td>
<td>0.26 (6.5)</td>
<td>8WA1011-1DG21</td>
<td>1.60</td>
<td>100</td>
</tr>
<tr>
<td>Terminal Size 6</td>
<td>Max Current</td>
<td>44A</td>
<td>35A</td>
<td>44A</td>
<td>Single terminal, beige</td>
<td>0.31 (8)</td>
<td>8WA1011-1DH11</td>
<td>2.20</td>
</tr>
<tr>
<td>Wire Range</td>
<td>#14–#8 AWG</td>
<td>#16–#8 AWG</td>
<td>10,0.75 mm²</td>
<td>Solid &amp; Stranded Finely Stranded 1.5 mm²</td>
<td>Single terminal, blue</td>
<td>0.31 (8)</td>
<td>8WA1011-1DH23</td>
<td>2.20</td>
</tr>
<tr>
<td>Voltage Rating</td>
<td>600V</td>
<td>600V</td>
<td>800V</td>
<td>Single terminal, black</td>
<td>0.31 (8)</td>
<td>8WA1011-1DH24</td>
<td>2.20</td>
<td>100</td>
</tr>
<tr>
<td>Wire Strip Length</td>
<td>0.43 (11)</td>
<td>0.82mm</td>
<td></td>
<td>Single terminal, green/yellow</td>
<td>0.31 (8)</td>
<td>8WA1011-1PH11</td>
<td>2.20</td>
<td>100</td>
</tr>
<tr>
<td>Recommended Screw Tightening Torque</td>
<td>7.0 lbf-in. (0.8 Nm)</td>
<td></td>
<td></td>
<td>Block of three, beige</td>
<td>0.55 (8.5)</td>
<td>8WA1011-1DG21</td>
<td>5.90</td>
<td>20</td>
</tr>
<tr>
<td>Terminal Size 16</td>
<td>Max Current</td>
<td>79A</td>
<td>70A</td>
<td>82A</td>
<td>Single terminal, beige</td>
<td>0.36 (10)</td>
<td>8WA1124</td>
<td>3.60</td>
</tr>
<tr>
<td>Wire Range</td>
<td>#12–#4 AWG</td>
<td>#16–#6 AWG</td>
<td>16,0.75 mm²</td>
<td>Solid &amp; Stranded Finely Stranded 2.5 mm²</td>
<td>Single terminal, blue</td>
<td>0.36 (10)</td>
<td>8WA1011-1BK11</td>
<td>4.30</td>
</tr>
<tr>
<td>Voltage Rating</td>
<td>600V</td>
<td>600V</td>
<td>800V</td>
<td>Single terminal, black</td>
<td>1.16 (30)</td>
<td>8WA1124</td>
<td>10.30</td>
<td>20</td>
</tr>
<tr>
<td>Wire Strip Length</td>
<td>0.51 (13)</td>
<td>0.82mm</td>
<td></td>
<td>Single terminal, green/yellow</td>
<td>0.36 (10)</td>
<td>8WA1011-1BK11</td>
<td>4.30</td>
<td>50</td>
</tr>
<tr>
<td>Recommended Screw Tightening Torque</td>
<td>10.6 lbf-in. (1.2 Nm)</td>
<td></td>
<td></td>
<td>Block of three, beige</td>
<td>1.16 (30)</td>
<td>8WA1124</td>
<td>10.30</td>
<td>20</td>
</tr>
<tr>
<td>Density</td>
<td>30 pcs/ft (100 pcs/m)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Accessories**

- **Barrier**: 0.04 (1) | 8WA120 | .70 | 100
- **Separator**: — | 8WA1825 | .45 | 100
- **Link rails for 2 terminals, 26A**: — | 8WA1813 | 1.50 | 100
- **Link rails for 3 terminals, 26A**: — | 8WA1816 | 2.00 | 100
- **Link rails for 10 terminals, 26A**: — | 8WA1818 | 4.00 | 100
- **Bridge Link**: — | 8WA1822-7VF01 | 1.80 | 100
- **Disconnecting Bridge Link**: — | 8WA1865 | 1.90 | 100
- **Cover with warning arrow**: — | 8WA1810 | .50 | 100
- **Link rails for 10 terminals, 44A**: — | 8WA1813 | 1.50 | 100
- **Link rails for 3 terminals, 44A**: — | 8WA1816 | 2.00 | 100
- **Link rails for 10 terminals, 44A**: — | 8WA1818 | 4.00 | 100
- **Bridge Link**: — | 8WA1822-7VF01 | 1.80 | 100
- **Disconnecting Bridge Link**: — | 8WA1865 | 1.90 | 100
- **Cover with warning arrow**: — | 8WA1810 | .50 | 100
- **Link rails for 10 terminals, 82A**: — | 8WA1813 | 2.00 | 100
- **Link rails for 3 terminals, 82A**: — | 8WA1816 | 4.00 | 100
- **Link rails for 10 terminals, 82A**: — | 8WA1818 | 8.00 | 100
- **Cover with warning arrow**: — | 8WA1810 | .50 | 100
- **Link rails for 10 terminals, 162A**: — | 8WA1813 | 12.00 | 20
- **Link rails for 3 terminals, 162A**: — | 8WA1816 | 25.00 | 50
- **Link rails for 10 terminals, 162A**: — | 8WA1818 | 40.00 | 100
- **Cover with warning arrow**: — | 8WA1810 | .50 | 100
- **Link rails for 10 terminals, 162A**: — | 8WA1813 | 12.00 | 20
- **Link rails for 3 terminals, 162A**: — | 8WA1816 | 25.00 | 50
- **Link rails for 10 terminals, 162A**: — | 8WA1818 | 40.00 | 100
- **Cover with warning arrow**: — | 8WA1810 | .50 | 100
- **Link rails for 10 terminals, 162A**: — | 8WA1813 | 12.00 | 20
- **Link rails for 3 terminals, 162A**: — | 8WA1816 | 25.00 | 50
- **Link rails for 10 terminals, 162A**: — | 8WA1818 | 40.00 | 100
- **Cover with warning arrow**: — | 8WA1810 | .50 | 100
- **Link rails for 10 terminals, 162A**: — | 8WA1813 | 12.00 | 20
- **Link rails for 3 terminals, 162A**: — | 8WA1816 | 25.00 | 50
- **Link rails for 10 terminals, 162A**: — | 8WA1818 | 40.00 | 100
- **Cover with warning arrow**: — | 8WA1810 | .50 | 100
- **Link rails for 10 terminals, 162A**: — | 8WA1813 | 12.00 | 20
- **Link rails for 3 terminals, 162A**: — | 8WA1816 | 25.00 | 50
- **Link rails for 10 terminals, 162A**: — | 8WA1818 | 40.00 | 100
- **Cover with warning arrow**: — | 8WA1810 | .50 | 100
- **Link rails for 10 terminals, 162A**: — | 8WA1813 | 12.00 | 20
- **Link rails for 3 terminals, 162A**: — | 8WA1816 | 25.00 | 50
- **Link rails for 10 terminals, 162A**: — | 8WA1818 | 40.00 | 100
- **Cover with warning arrow**: — | 8WA1810 | .50 | 100

For labeling accessories see pages 771-773.
Terminal Blocks
Type 8WA1

Features
- UL Recognized, CSA Certified. Meets or exceeds other International Standards.
- Mount on standard 35mm DIN rail. Same mounting as contactors and relays.
- Terminals available for Wire Sizes 22 AWG through 500 MCM; Current ratings up to 410 Amperes.
- A variety of colors for 2.5mm and 4mm Terminal Sizes.
- Three pole and ten pole terminal blocks are available.
- Terminal screws are captive and clamps are supplied in the open position.
- Screwdriver guides and funnel-shaped wire entries speed up connection time.
- Jumper wires are unnecessary. The terminal connecting bars are tapped to accept link rails for up to ten terminals.
- Through-type terminals are symmetrical. It does not matter how they are snapped on the rail.
- Spring pressure plates that flex during tightening ensure high reliability in low voltage and low current circuits when copper conductors deform due to pressure, heat changes or vibration.
- Double-tier terminals provide 50% space savings and can be ordered with solid state components.
- Standard labels fit all terminals. Blank or numbered labels in either vertical or horizontal configurations are available. Labels can be supplied in consecutively numbered strips and easily snapped into place on the terminals after installation.

Description
End Plate (Figure 1)
End plates are used with Through-Type Double-Tier and Double-Tier LED terminals. They are used at the end of a terminal block run where a physical barrier is required to prevent contact with electrical parts.

Barrier (Figure 2)
Barriers are yellow in color and extend 5mm beyond the contour of the terminal block. They are used to provide visual separation between terminal groups and electrical isolation between adjacent parallel link groups. A knockout is provided to allow the use of a neutral busbar when required.

If two groups of terminal blocks are at different potentials, a barrier matching the largest terminal block must be inserted to provide electrical isolation.

Separator (Figure 3)
Separators are used with Terminal Sizes 2.5 through 35 to provide electrical isolation between adjacent parallel links. These separators do not increase the width of the terminal group and can be fitted after the terminal group is assembled.

Link Rail (Figure 4a)
Link rails are available for 2, 3 and 10 terminals. Links are screwed into the terminals from the top and enable up to 10 terminals (Terminal Sizes 2.5 to 35) to be connected in parallel.

The 10-pole links can be shortened as required. Above Terminal Size 70, they are two-pole. On Terminal Size 95 and 185, they are mounted in the points of connection.

Link Rail, Upper Tier (Figure 4b)
Through-Type Double-Tier terminals can be linked in both the upper (4b) and lower (4a) tier. The upper tier and the lower tier of the 2-pole terminal remain isolated even when the links are used on the lower tier. This makes it possible for two different potentials to be used on the same terminal.

Link Bridge (Figure 5)
Link bridges allow two or more link rails to be physically connected to form a continuous chain.

Disconnecting Link Bridge (Figure 6)
Disconnecting link bridges allow two or more link rails to be physically disconnected without removal of the link assembly.

Test Socket (Figure 7)
Test sockets can be fitted to Terminal Sizes 2.5, 4 and 6. The test socket allows the use of instruments with 2.3mm diameter test plugs. 2.3mm diameter test plugs are also available for customizing instrument leads.

Cover (Figure 8)
The cover with warning arrow assists in the identification of power input terminals and provides an additional physical protection against contact with live conductors. Blank white covers are also available for on-site inscription.

End Retainer and End Labels
End retainers with end labels (optional) are used with double-tier terminal blocks with an end plate. They are used to lock the terminal blocks and end plates in place.

Labeling Accessories
Labels are available with a variety of alpha or numeric characters. Inscription height is 2mm and may be ordered as vertical or horizontal.

Labels are provided in card form. Strips are available with consecutive numerals of twenty per strip typical.
Blank caps and strips are also available for custom marking with indelible pen.