WARNING: To minimize the risk of potential safety problems, you should follow all applicable local and national codes that regulate the installation and operation of your equipment. These codes vary from area to area and it is your responsibility to determine which codes should be followed, and to verify that the equipment, installation, and operation are in compliance with the latest revision of these codes.

Equipment damage or serious injury to personnel can result from the failure to follow all applicable codes and standards. We do not guarantee the products described in this publication are suitable for your particular application, nor do we assume any responsibility for your product design, installation, or operation.

If you have any questions concerning the installation or operation of this equipment, or if you need additional information, please call Technical Support at 770-844-4200.

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IMPORTANT! Hot-Swapping Information

Note: This device cannot be Hot Swapped.
**Module Installation**

1. To Install, remove Connector Cover
2. Indicate expansion connectors, insert, and listen for “Click” as the lock engages

**I/O Wiring**

**Discrete Output Wiring**

**8 point Terminal Block Connector Specifications**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>BX-RTB08</th>
<th>BX-RTB08-1</th>
<th>BX-RTB08-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connector Type</td>
<td>Screw Type-90°</td>
<td>Spring Clamp Type-180°</td>
<td>Screw Type-180°</td>
</tr>
<tr>
<td>Wire Exit</td>
<td>180°</td>
<td>180°</td>
<td>180°</td>
</tr>
<tr>
<td>Pitch</td>
<td>5.0mm</td>
<td>5.0mm</td>
<td>5.0mm</td>
</tr>
<tr>
<td>Screw Size</td>
<td>M2.5</td>
<td>N/A</td>
<td>M2.5</td>
</tr>
<tr>
<td>Recommended Screw torque</td>
<td>&lt; 3.98 lb·in (0.45 N·m)</td>
<td>N/A</td>
<td>&lt; 3.98 lb·in (0.45 N·m)</td>
</tr>
<tr>
<td>Screwdriver Blade Width</td>
<td>3.5mm</td>
<td>3.5mm</td>
<td>3.5mm</td>
</tr>
<tr>
<td>Wire Gauge (Single Wire)</td>
<td>28-12 AWG</td>
<td>28-12 AWG</td>
<td>28-12 AWG</td>
</tr>
<tr>
<td>Wire Gauge (Two Wires)</td>
<td>28-16 AWG</td>
<td>28-16 AWG (Dual Wire Ferrule Required)</td>
<td>28-16 AWG</td>
</tr>
<tr>
<td>Wire Strip Length</td>
<td>0.3in (7.5mm)</td>
<td>0.37in (9.5mm)</td>
<td>0.3in (7.5mm)</td>
</tr>
<tr>
<td>Equivalent Dinkle part #</td>
<td>5ESDV-05P-BK</td>
<td>5ESDSR-05P-BK</td>
<td>5ESDF-05P-BK</td>
</tr>
</tbody>
</table>

**Connector Options – 8 point**

- **BX-RTB08**
  - Terminal Block Kit, 90-degree screw type. For use with BRX 5-point, 8-point, and 12-point expansion modules. Kit includes (3) 5-pin 5mm plugs.

- **BX-RTB08-1**
  - Terminal Block Kit, 180-degree spring clamp type. For use with BRX 5-point, 8-point, and 12-point expansion modules. Kit includes (3) 5-pin 5mm plugs.

- **BX-RTB08-2**
  - Terminal Block Kit, 180-degree screw type. For use with BRX 5-point, 8-point, and 12-point expansion modules. Kit includes (3) 5-pin 5mm plugs.

- **ZL-BXEM-CBL10**
  - ZPLink PLC I/O cable, 10-position terminal block to 24-pin connector, 24AWG, cable length 0.5meter (1.6ft). For use with 8-point BRX expansion modules.

- **ZL-BXEM-CBL10-1**
  - ZPLink PLC I/O cable, 10-position terminal block to 24-pin connector, 24AWG, cable length 1meter (3.3ft). For use with 8-point BRX expansion modules.

- **ZL-BXEM-CBL10-2**
  - ZPLink PLC I/O cable, 10-position terminal block to 24-pin connector, 24AWG, cable length 2meter (6.6ft). For use with 8-point BRX expansion modules.

- **ZL-BXEM-CBL10-1P**
  - ZPLink PLC I/O cable, 10-position terminal block to pigtail connection, 24AWG, cable length 1meter (3.3ft). For use with 8-point BRX expansion modules.

- **ZL-BXEM-CBL10-2P**
  - ZPLink PLC I/O cable, 10-position terminal block to pigtail connection, 24AWG, cable length 2meter (6.6ft). For use with 8-point BRX expansion modules.

- **ZL-RTB20**
  - ZPLink Two Level Feedthrough Module, 20-pole, 35mm, DIN mount.

- **ZL-RTB20-1**
  - ZPLink Three Level Feedthrough Module, 20-pole, 35mm, DIN mount.