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.

This publication is based on information that was available at the time it was printed. At AutomationDirect.com® we constantly strive to improve our products and services, so we reserve the right to make changes to the products and/or publications at any time without notice and without any obligation. This publication may also discuss features that may not be available in certain revisions of the product.

Hot-Swapping Information
Note: This device cannot be Hot Swapped.
**Connector Options – 8 and 12 point**

<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>Description</td>
<td>Terminal Block Kit, 90-degree spring type. For use with BRX 5-point, 8-point, and 12-point expansion modules. Kit includes (3) 5-pin 5mm plugs.</td>
<td>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.</td>
<td>Terminal Block Kit, 180-degree spring type. For use with BRX 5-point, 8-point, and 12-point expansion modules. Kit includes (3) 5-pin 5mm plugs.</td>
</tr>
</tbody>
</table>

**Connector Options – 16 point**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>BX-RTB10</th>
<th>BX-RTB10-1</th>
<th>BX-RTB10-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Terminal Block Kit, 90-degree spring type. For use with BRX 10-point PLCs and BRX 16-point expansion modules. Kit includes (2) 10-pin 3.8mm plugs.</td>
<td>Terminal Block Kit, 180-degree spring clamp type. For use with BRX 10-point PLCs and BRX 16-point expansion modules. Kit includes (2) 10-pin 3.8mm plugs.</td>
<td>Terminal Block Kit, 180-degree spring type. For use with BRX 10-point PLCs and BRX 16-point expansion modules. Kit includes (2) 10-pin 3.8mm plugs.</td>
</tr>
</tbody>
</table>

**Module Installation**

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

**Dimensional Information**

Note: Drawings are for reference only. Shown without terminal blocks.

- **Part Number**
  - BX-RTB08
  - BX-RTB08-1
  - BX-RTB08-2
- **Connector Type**
  - Screw Type-90°
  - Spring Clamp Type-180°
  - Screw Type-180°
- **Wire Exit**
  - 180°
  - 180°
  - 180°
- **Pitch**
  - 5.0mm
  - 5.0mm
  - 5.0mm
- **Screw Size**
  - M2
  - M2
  - M2
- **Recommended Screw torque**
  - < 3.98 lb·in (0.45 N·m)
  - < 3.98 lb·in (0.45 N·m)
  - < 3.98 lb·in (0.45 N·m)
- **Screwdriver Blade Width**
  - 3.5mm
  - 3.5mm
  - 3.5mm
- **Wire Gauge (Single Wire)**
  - 28-16 AWG
  - 28-16 AWG
  - 28-16 AWG
- **Wire Gauge (Dual Wire Ferrule Required)**
  - 30-18 AWG
  - 30-18 AWG
  - 30-18 AWG
- **Recommended Screw Size**
  - M2
  - M2
  - M2
- **Wire Strip Length**
  - 0.3in (7.5mm)
  - 0.3in (7.5mm)
  - 0.3in (7.5mm)
- **Equiv. Dinkle part #**
  - 5ESDV-05P-BK
  - 5ESDSR-05P-BK
  - 5ESDF-05P-BK

**16 point Terminal Block Connector Specifications**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>BX-RTB10</th>
<th>BX-RTB10-1</th>
<th>BX-RTB10-2</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>3.81mm</td>
<td>3.81mm</td>
<td>3.81mm</td>
</tr>
<tr>
<td>Screw Size</td>
<td>M2</td>
<td>N/A</td>
<td>M2</td>
</tr>
<tr>
<td>Recommended Screw torque</td>
<td>&lt; 1.77 lb·in (0.2 N·m)</td>
<td>N/A</td>
<td>&lt; 1.77 lb·in (0.2 N·m)</td>
</tr>
<tr>
<td>Screwdriver Blade Width</td>
<td>2.5mm</td>
<td>2.5mm</td>
<td>2.5mm</td>
</tr>
<tr>
<td>Wire Gauge (Single Wire)</td>
<td>28-16 AWG</td>
<td>28-16 AWG</td>
<td>30-16 AWG</td>
</tr>
<tr>
<td>Wire Gauge (Dual Wire Ferrule Required)</td>
<td>30-20 AWG</td>
<td>30-20 AWG</td>
<td>30-18 AWG</td>
</tr>
<tr>
<td>Wire Strip Length</td>
<td>0.24in (6mm)</td>
<td>0.35in (9mm)</td>
<td>0.26in (6.5mm)</td>
</tr>
<tr>
<td>Equiv. Dinkle part #</td>
<td>EC381V-10P-BK</td>
<td>E383V10P-BK</td>
<td>EC381F-10P-BK</td>
</tr>
</tbody>
</table>

---

Sales 800-633-0405  www.do-moreplcs.com