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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Hot-Swapping Information

Note: This device cannot be Hot Swapped.


Important!
Connector Options – 8 and 12 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**
ZIPLink PLC I/O cable, 10-position terminal block to 24-pin connector, 24AWG, cable length 0.5meter (1.8ft). For use with 8-point BRX expansion modules.

**ZL-BXEM-CBL10-1**
ZIPLink 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**
ZIPLink 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**
ZIPLink 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**
ZIPLink 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-BXEM-CBL15**
ZIPLink PLC I/O cable, 15-position terminal block to 24-pin connector, 24AWG, cable length 0.5meter (1.8ft). For use with 5-point and 12-point BRX expansion modules.

**ZL-BXEM-CBL15-1**
ZIPLink PLC I/O cable, 15-position terminal block to 24-pin connector, 24AWG, cable length 1meter (3.3ft). For use with 5-point and 12-point BRX expansion modules.

**ZL-BXEM-CBL15-2**
ZIPLink PLC I/O cable, 15-position terminal block to 24-pin connector, 24AWG, cable length 2meter (6.6ft). For use with 5-point and 12-point BRX expansion modules.

**ZL-BXEM-CBL15-1P**
ZIPLink PLC I/O cable, 15-position terminal block to pigtail connection, 24AWG, cable length 1meter (3.3ft). For use with 5-point and 12-point BRX expansion modules.

**ZL-BXEM-CBL15-2P**
ZIPLink PLC I/O cable, 15-position terminal block to pigtail connection, 24AWG, cable length 2meter (6.6ft). For use with 5-point and 12-point BRX expansion modules.

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

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

**Connector Options – 16 point**

**BX-RTB10**
Terminal Block Kit, 90-degree screw type. For use with BRX 10-point PLCs and BRX 16-point expansion modules. Kit includes (2) 10-pin 3.8mm plugs.

**BX-RTB10-1**
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.

**BX-RTB10-2**
Terminal Block Kit, 180-degree screw type. For use with BRX 10-point PLCs and BRX 16-point expansion modules. Kit includes (2) 10-pin 3.8mm plugs.

**ZL-BXEM-CBL20**
ZIPLink PLC I/O cable, 20-position terminal block to 24-pin connector, 24AWG, cable length 0.5meter (1.8ft). For use with 16-point BRX expansion modules.

**ZL-BXEM-CBL20-1**
ZIPLink PLC I/O cable, 20-position terminal block to 24-pin connector, 24AWG, cable length 1meter (3.3ft). For use with 16-point BRX expansion modules.

**ZL-BXEM-CBL20-2**
ZIPLink PLC I/O cable, 20-position terminal block to 24-pin connector, 24AWG, cable length 2meter (6.6ft). For use with 16-point BRX expansion modules.

**ZL-BXEM-CBL20-1P**
ZIPLink PLC I/O cable, 20-position terminal block to pigtail connection, 24AWG, cable length 1meter (3.3ft). For use with 16-point BRX expansion modules.

**ZL-BXEM-CBL20-2P**
ZIPLink PLC I/O cable, 20-position terminal block to pigtail connection, 24AWG, cable length 2meter (6.6ft). For use with 16-point BRX expansion modules.

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

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

**8 and 12 point Terminal Block Connector Specifications**

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<thead>
<tr>
<th>Part Number</th>
<th>BX-RTB08</th>
<th>BX-RTB08-1</th>
<th>BX-RTB08-2</th>
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<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>
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<tr>
<td>Pitch</td>
<td>5.0mm</td>
<td>5.0mm</td>
<td>5.0mm</td>
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<tr>
<td>Screw Size</td>
<td>M2.5</td>
<td>N/A</td>
<td>M2.5</td>
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<tr>
<td>Recommended Screw Size</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>
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<tr>
<td>Screwdriver Blade Width</td>
<td>3.5mm</td>
<td>3.5mm</td>
<td>3.5mm</td>
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<td>Wire Gauge</td>
<td>28-12 AWG</td>
<td>28-14 AWG</td>
<td>28-12 AWG</td>
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<tr>
<td>Wire Gauge</td>
<td>28-16 AWG</td>
<td>(Dual Wire Ferrule Required)</td>
<td>28-16 AWG</td>
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<tr>
<td>Wire Strip Length</td>
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<td>0.37in (9.5mm)</td>
<td>0.3in (7.5mm)</td>
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<td>Equiv. Dinkle part #</td>
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<td>5ESDVR-05P-BK</td>
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**16 point Terminal Block Connector Specifications**

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<tr>
<th>Part Number</th>
<th>BX-RTB10</th>
<th>BX-RTB10-1</th>
<th>BX-RTB10-2</th>
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<tr>
<td>Connector Type</td>
<td>Screw Type-90°</td>
<td>Spring Clamp Type-180°</td>
<td>Screw Type-180°</td>
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<tr>
<td>Wire Exit</td>
<td>180°</td>
<td>180°</td>
<td>180°</td>
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<tr>
<td>Pitch</td>
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<td>3.81mm</td>
<td>3.81mm</td>
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<td>Screw Size</td>
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<td>N/A</td>
<td>M2</td>
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<tr>
<td>Recommended Screw Size</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>
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<tr>
<td>Screwdriver Blade Width</td>
<td>2.5mm</td>
<td>2.5mm</td>
<td>2.5mm</td>
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<tr>
<td>Wire Gauge</td>
<td>28-16 AWG</td>
<td>28-18 AWG</td>
<td>30-16 AWG</td>
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<tr>
<td>Wire Gauge</td>
<td>28-18 AWG</td>
<td>(Dual Wire Ferrule Required)</td>
<td>30-18 AWG</td>
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<tr>
<td>Wire Strip Length</td>
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<td>0.26in (6.5mm)</td>
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<td>EC381V-10P-BK</td>
<td>EC381V-10P-BK</td>
<td>EC381F-10P-BK</td>
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</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.