

BX 18/18E MPUs Accessories

BX 18/18E MPU Wiring Termination Selection

The BX 18/18E MPUs ship with no predefined wiring termination option. This enables you to select the

termination type that best suits your application. Several wiring options are available, including removable screw

terminal connectors, removable spring clamp terminal connectors and pre-wired **ZIP**Link cable solutions.

Terminal Block Connectors

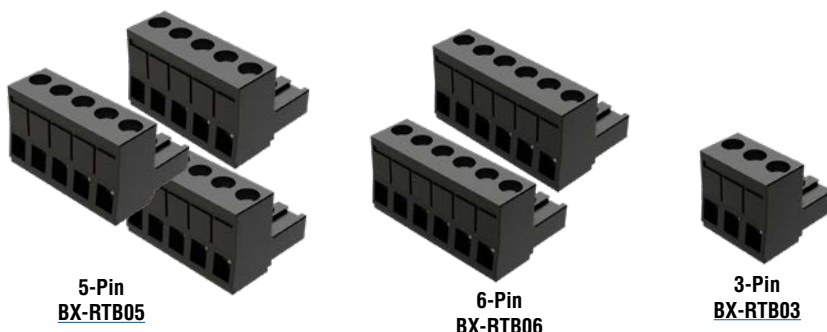
The terminal block connectors are provided in kits and can be ordered as a single part number. Each kit contains all the terminal block connectors required (6 pieces): (3) 5-pin 5mm terminal blocks, (2) 6-pin 5mm terminal blocks, and (1) 3-pin 5mm terminal block.

The BX 18/18E MPUs terminals are configured into groups of 5 inputs and 4 outputs each with an isolated common. For example, inputs X0–X4 are grouped with their common terminal. On the BX 18E MPU, the analogs are grouped as 3 terminals consisting of 1 input, 1 output

and a shared isolated analog common. The I/O termination groups are isolated such that a single group connector can be removed without affecting other groups of I/O or the external power source.

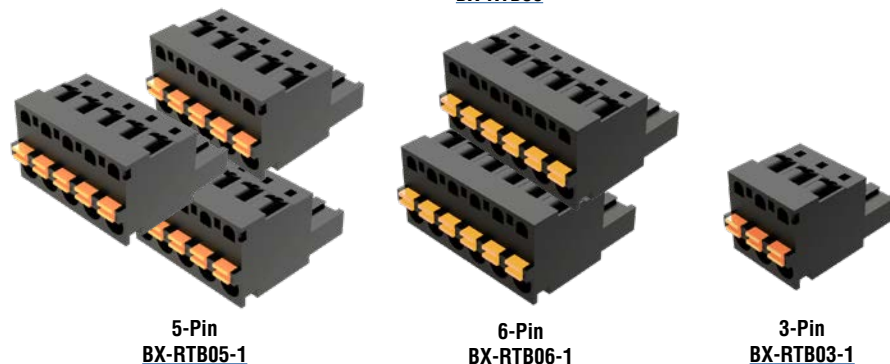
BX-RTB18 Screw Terminal Block Kit

This terminal block kit includes (6 pieces): (3) 5-pin 5mm terminal blocks (BX-RTB05), (2) 6-pin 5mm terminal blocks (BX-RTB06), and (1) 3-pin 5mm terminal block (BX-RTB03). These are 90-degree screw terminal blocks. Wire is 180-degree pass through.



BX-RTB18-1 Spring Terminal Block Kit

This terminal block kit includes (6 pieces): (3) 5-pin 5mm terminal blocks (BX-RTB05-1), (2) 6-pin 5mm terminal blocks (BX-RTB06-1), and (1) 3-pin 5mm terminal block (BX-RTB03-1). These are 180-degree spring clamp wire terminal blocks.



| Removable Terminal Block Specifications | | | Replacement 6-Pin | |
|---|-------------------------|---|-------------------------|---|
| Part Number | BX-RTB18 | BX-RTB18-1 | BX-RTB06 | BX-RTB06-1 |
| Price (pkg) | \$21.00 | \$21.00 | \$6.25 | \$6.25 |
| Connector Type | Screw Type-90-degree | Spring Clamp Type-180-degree | Screw Type-90-degree | Spring Clamp Type-180-degree |
| Wire Exit | 180-degree | 180-degree | 180-degree | 180-degree |
| Pitch | 5.0 mm | 5.0 mm | 5.0 mm | 5.0 mm |
| Screw Size | M2.5 | N/A | M2.5 | N/A |
| Recommended Screw Torque | < 3.98 lb·in (0.45 N·m) | N/A | < 3.98 lb·in (0.45 N·m) | N/A |
| Screwdriver Blade Width | 3.5 mm | 3.5 mm | 3.5 mm | 3.5 mm |
| Wire Gauge (Single Wire) | 28–12 AWG | 28–14 AWG | 28–12 AWG | 28–14 AWG |
| Wire Gauge (Dual Wire) | 28–16 AWG | 28–16 AWG (Dual wire ferrule required) | 28–16 AWG | 28–16 AWG (Dual wire ferrule required) |
| Wire Strip Length | 0.3 in (7.5 mm) | 0.37 in (9.5 mm) | 0.3 in (7.5 mm) | 0.37 in (9.5 mm) |
| Equiv. Dinkle P/N | 5ESDV-0nP-BK* | 5ESDSR-0nP-BK* | 5ESDV-06P-BK | 5ESDSR-06P-BK |

* Replace n with: (3) 3-terminal, (5) 5-terminal or (6) for 6-terminal.