BRX Pluggable Option Modules (POM)

BX-P-SER4-TERM  $49.00

The RS-485 POM can be connected to the Do-more! Designer programming software, Modbus RTU master or slave devices, DirectLogic PLCs via K-Sequence protocol, as well as devices that send or receive non-sequenced ASCII strings or characters.

<table>
<thead>
<tr>
<th>Pinout</th>
<th>RS485</th>
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<tbody>
<tr>
<td>1</td>
<td>GND</td>
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<tr>
<td>2</td>
<td>D-</td>
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<tr>
<td>3</td>
<td>D+</td>
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**BX-P-SER4-TERM Specifications**

- **Description**: Non-isolated Serial port that can communicate via RS-485. Includes ESD protection and built-in surge protection.
- **Supported Protocols**: Do-more™ Protocol (Default), Modbus RTU (Master & Slave), K-Sequence (Slave), ASCII (in & Out)
- **Data Rates**: 1200, 2400, 4800, 9600, 19200, 38400, 57600, and 115200 baud
- **Default Settings**: 115200bps, No Parity, 8 Data Bits, 1 Stop Bit, Station #1, Termination resistor OFF
- **Port Status LED**: Green LED is illuminated when active for TXD and RXD
- **Port Type**: Removable 3-pin terminal strip 3.5 mm pitch
- **RS-485 Station Addresses**: 1–247
- **RS-485 D+**: RS-485 transceiver high
- **RS-485 D-**: RS-485 transceiver low
- **RS-485 GND**: Logic ground
- **RS-485 Input Impedance**: 19kΩ
- **RS-485 Maximum Load**: 50 transceivers, 19kΩ each, 120Ω termination
- **RS-485 Output Short Circuit Protection**: ±250mA, thermal shut-down protection
- **RS-485 Electrostatic Discharge Protection**: ±8kV per IEC1000-4-2
- **RS-485 Electrical Fast Transient Protection**: ±2kV per IEC1000-4-4
- **RS-485 Minimum Differential Output Voltage**: 1.5 V with 60Ω load
- **RS-485 Fail Safe Inputs**: Logic high input state if inputs are unconnected
- **RS-485 Maximum Common Mode Voltage**: -7.5 V to 12.5 V
- **Cable Requirements**: RS-232 use P/N L19772-XXX from automationdirect.com
- **Maximum Distance**: 30 meters (100 feet); 6 meters (20 foot) recommended maximum
- **Replacement Connector**: ADC P/N BX-RTB03S
- **Hot Swappable**: Yes

**BX-RTB03S Connector Specifications**

- **Part Number**: BX-RTB03S
- **Connector Type**: Screw type
- **Wire Exit**: 90-degree
- **Pitch**: 3.5 mm
- **Screw Size**: M2
- **Recommended Screw Torque**: <1.77 lb·in (0.2 N·m)
- **Screwdriver Blade Width**: 2.5 mm
- **Wire Gauge (Single Wire)**: 28–16 AWG
- **Wire Gauge (Two Wires)**: 28–16 AWG
- **Wire Strip Length**: 0.24 in (6mm)
- **Equiv. Dinkle part #**: EC350V-03P-BK

**BX-RTB03S**  $3.00

Replacement removable connector.

For the latest prices, please check AutomationDirect.com.