

# BRX Pluggable Option Modules (POM)

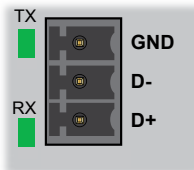
## BX-P-SER4-TERM

**\$77.00**

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.

Pinout	RS485
1	GND
2	D-
3	D+



Removable Connector Included

### BX-P-SER4-TERM Specifications

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

## BX-RTB03S

**\$5.50**

Replacement removable connector.



**BX-RTB03S**

### BX-RTB03S Connector Specifications

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