

BRX Pluggable Option Modules (POM)

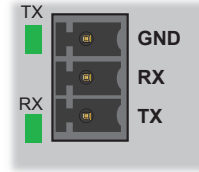
BX-P-SER2-TERM

\$80.00

The RS-232 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	RS232
1	GND
2	RX
3	TX



Removable Connector Included

BX-P-SER2-TERM Specifications

Description	Non-isolated Serial port that can communicate via RS-232. 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	115200 bps, No Parity, 8 Data Bits, 1 Stop Bit, Station #1
Port Status LED	Green LED is illuminated when active for TXD and RXD
Port Type	Removable 3-pin terminal strip 3.5mm pitch
RS-232 TX	RS-232 Transmit output
RS-232 RX	RS-232 Receive input
RS-232 GND	Logic ground
RS-232 Maximum Output Load (TXD/RTS)	3 kΩ, 1000 pF
RS-232 Minimum Output Voltage Swing	±5V
RS-232 Output Short Circuit Protection	±15 mA
Cable Requirements	RS-232 use P/N L19772-XXX from automationdirect.com
Maximum Distance	30m [100ft]; 6m [20ft] recommended maximum
Replacement Connector	ADC Part # BX-RTB03S
Hot Swappable	Yes

BX-RTB03S

\$5.75

Replacement removable connector.



BX-RTB03S

BX-RTB03S Connector Specifications

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

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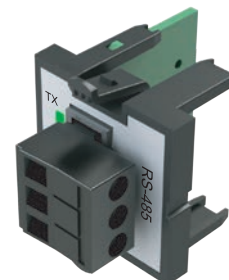
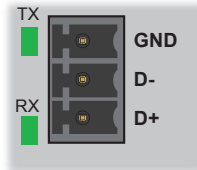
BX-P-SER4-TERM

\$81.00

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

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	115200 bps, 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 3.5mm 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	19 kΩ
RS-485 Maximum Load	50 transceivers, 19 kΩ each, 120Ω termination
RS-485 Output Short Circuit Protection	±250 mA, thermal shut-down protection
RS-485 Electrostatic Discharge Protection	±8 kV per IEC1000-4-2
RS-485 Electrical Fast Transient Protection	±2 kV per IEC1000-4-4
RS-485 Minimum Differential Output Voltage	1.5V with 60Ω load
RS-485 Fail Safe Inputs	Logic high input state if inputs are unconnected
RS-485 Maximum Common Mode Voltage	-7.5V to 12.5V
Cable Requirements	RS-232 use P/N L19772-XXX from automationdirect.com
Maximum Distance	30m [100ft]; 6m [20ft] recommended maximum
Replacement Connector	ADC Part # BX-RTB03S
Hot Swappable	Yes

BX-RTB03S

\$5.75

Replacement removable connector.



BX-RTB03S

BX-RTB03S Connector Specifications

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