

BRX Pluggable Option Modules (POM)

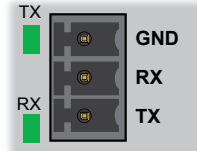
BX-P-SER2-TERM

\$76.00

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 | 115200bps, 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 3.5 mm 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) | 3kΩ, 1000pf |
| RS-232 Minimum Output Voltage Swing | ±5V |
| RS-232 Output Short Circuit Protection | ±15mA |
| Cable Requirements | RS-232 use P/N L19772-XXX from automationdirect.com |
| Maximum Distance | 30 meters (100 feet); 6 meters (20 feet) recommended maximum |
| Replacement Connector | ADC Part # BX-RTB03S |
| Hot Swappable | Yes |

BX-RTB03S

\$5.50

Replacement removable connector.



BX-RTB03S

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 |

BRX Pluggable Option Modules (POM)

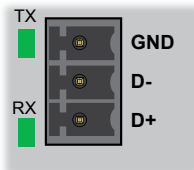
BX-P-SER4-TERM

\$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

| | |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| 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 Part # BX-RTB03S |
| Hot Swappable | Yes |

BX-RTB03S

\$5.50

Replacement removable connector.



BX-RTB03S

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 |