

AUTOMATIONDIRECT.com


BRX Pluggable Option Modules (POM)

General Specifications

Operating Temperature	0° to 60°C (32° to 140°F)
Storage Temperature	-20° to 85°C (-4° to 185°F)
Humidity	5 to 95% (non-condensing)
Environmental Air	No corrosive gases permitted
Vibration	IEC60068-2-6 (Test Fc)
Shock	IEC60068-2-27 (Test Ea)
Enclosure Type	Open Equipment
Agency Approvals	UL61010-2 - UL File # E185989 Canada and USA CE Compliant E185989*
Noise Immunity	NEMA ICS3-304
EU Directive	See the "EU Directive" topic in the Help File
Weight	7g (0.25 oz)

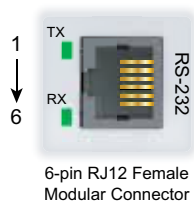
*Meets EMC and Safety requirements. See the D.O.C. for details.

BX-P-USB-B Specifications

	USB Type B for programming.
USB Specification Version	USB 2.0
Port Status LED	LED flashes when port is active
Cable Requirements Recommendation	USB-CBL-ABxx from AutomationDirect.com
Hot Swappable	Yes

BX-P-SER2-RJ12 Specifications

	Non-isolated RS-232 DTE. 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
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
Cable Requirements	Recommend L19772-xxx from AutomationDirect.com
RS-232 Port Type	RJ12 - 6P6C connector
Hot Swappable	Yes
Output Power	5VDC @ 220mA Max



Pin #	Signal
1	0V Power (-) connection (GND)
2	5V Power (+) connection (220mA max)
3	RXD Receive Data (RS-232)
4	TXD Transmit Data (RS-232)
5	RTS Request to Send (RS-232)
6	CTS Clear to Send (RS-232)

BX-P-SER2-TERM RS232 Serial Port using a 3-pin terminal block connection

BX-P-SER4-TERM RS485 serial port using a 3-pin terminal block connection

BX-P-SER2-RJ12 RS232 Serial Port using an RJ12 connection

BX-P-ECOMLT Ethernet port using RJ45 connection, Limited use port

BX-P-USB-B USB port Type B connection

WARNING: To minimize the risk of potential safety problems, you should follow all applicable local and national codes that regulate the installation and operation of your equipment. These codes vary from area to area and it is your responsibility to determine which codes should be followed, and to verify that the equipment, installation, and operation are in compliance with the latest revision of these codes.

Equipment damage or serious injury to personnel can result from the failure to follow all applicable codes and standards. We do not guarantee the products described in this publication are suitable for your particular application, nor do we assume any responsibility for your product design, installation, or operation.

If you have any questions concerning the installation or operation of this equipment, or if you need additional information, please call Technical Support at 770-844-4200.

This publication is based on information that was available at the time it was printed. At AutomationDirect.com® we constantly strive to improve our products and services, so we reserve the right to make changes to the products and/or publications at any time without notice and without any obligation. This publication may also discuss features that may not be available in certain revisions of the product.

Do-more! BRX Manual available at www.automationdirect.com/pn/doc/manual/BX-POM



IMPORTANT!



Hot-Swapping Information

Note: This device may be Hot Swapped.

Document Name	Edition/Revision	Date
BX-POM	1st Ed. RevD	5/15/2017

Copyright 2017, AutomationDirect.com Incorporated/All Rights Reserved Worldwide.

BX-P-SER4-TERM Specifications

	Non-isolated RS-485 DTE port. Includes ESD protection and built-in surge protection.
Support Protocols	Do-more! Protocol (Default) Modbus RTU (Master & Slave) K-Sequence (Slave) ASCII (In & Out) Custom Protocols
Data Rates	1200, 2400, 4800, 9600, 19200, 38400, 57600, and 115200
Default Settings	115200bps, No Parity, 8 Data Bits, 1 Stop Bit, Station #1, termination resistor OFF
RS-485 Station Addresses	1-247
Port Status LED	Green LED is illuminated when active for TXD and RXD
DIP Switch	Selectable 120Ω termination resistor
Cable Options	Recommend L19827-XXX from AutomationDirect.com
Replacement Connectors	BX-RTB03S from AutomationDirect.com
Hot Swappable	Yes

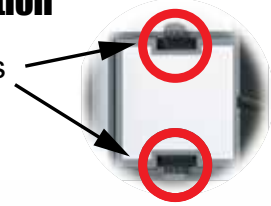


Pinout	RS232	RS485
1	GND	GND
2	RXD	D-
3	TXD	D+

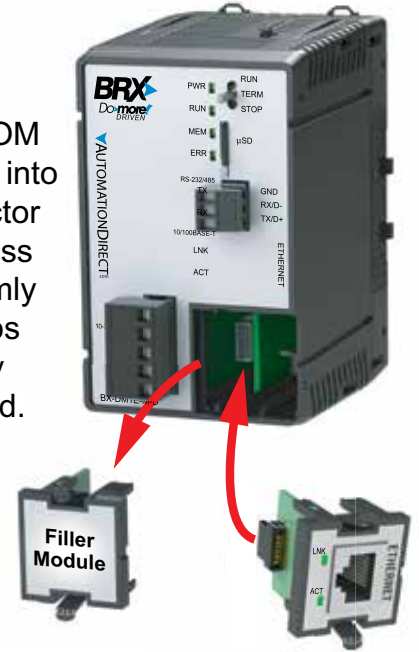
Removable connector included.

POM Module Installation

① Compress tabs and remove Filler Module



② Seat POM module into Connector and press until firmly until tabs are fully engaged.



BX-P-SER2-TERM Specifications

	Non-isolated RS-232 DTE port. Includes ESD protection and built-in surge protection.
Support Protocols	Do-more! Protocol (Default) Modbus RTU (Master & Slave) K-Sequence (Slave) ASCII (In & Out) Custom Protocols
Data Rates	1200, 2400, 4800, 9600, 19200, 38400, 57600, and 115200
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
Cable Requirements	Recommend L19772-XXX from AutomationDirect.com
Replacement Connectors	BX-RTB03S from AutomationDirect.com
Hot Swappable	Yes

BX-RTB03S Connector Specifications

Part Number	BX-RTB03S
Connector Type	Screw Type
Wire Exit	180 degree
Pitch	3.5mm
Screw Size	M2
Recommended Screw torque	<1.77Lb-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

BX-P-ECOMLT Specifications

	Standard transformer isolated Ethernet port with built-in surge protection.	
Transfer Rate	10Mbps (Orange LED) and 100Mbps (Green LED) (1Mbps throughput max).	
Port Status LED	LINK LED is solid when network link is established. ACT LED flashes when port is active.	
Supported Protocols	Do-more! Protocol (Server) Programming/Monitoring Modbus TCP (Server) K-sequence (Server)	
Cable Recommendation	C5E-STxxx-xx from AutomationDirect.com	
Port Type	RJ45, Category 5, 10/100 BASE-T, Auto Crossover	
Ethernet Port Numbers:	Do-more! Protocol	28784, UDP
	Programming/Monitoring	
	K-sequence	
	Modbus	502, TCP
Hot Swappable	Yes	