General Specifications				
Operating Temperature	erature 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			
A	UL61010-2 - UL File # E185989 Canada and USA			
Agency Approvals	CE Compliant EN61131-2*			
Noise Immunity	NEMA ICS3-304			
EU Directive	See the "EU Directive" topic in the Help File			
Heat Dissipation	8.6W Max			
Weight	170g (6 oz)			
Software Version	Do-more! Designer 2.3 or later, Netedit 3 Version 3.15 or later			

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

Power Supply Specifications					
Nominal Voltage Range*	12–24 VDC				
Input Voltage Range (Tolerance)*	10–36 VDC				
Maximum Input Voltage Ripple	<+/- 10%				
Maximum Input Power	30W				
Cold Start Inrush Current	5A, 2ms				
Maximum Inrush Current (Hot Start)	5A, 2ms				
Internal Input Protection	Reverse Polarity Protection and Undervoltage				
Voltage Withstand (dielectric)	1500VAC Power Inputs to Ground applied for 1 minute				
Replacement Connector	ADC Part # BX-RTB03				
Removable Connector Included	Pinout Connection 1				

^{*}Class 2 or LPS Power Supply required.

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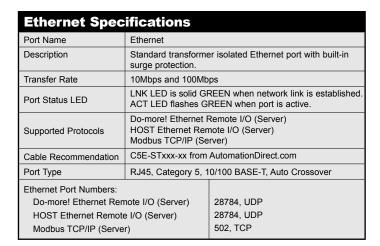
BX-EBC100-M-D

BRX Ethernet Base Controller

24 VDC required, Ethernet port.



Power terminal block included.



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.

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Do-more! BRX Manual available at www. automationdirect.com/pn/doc/manual/ BX-EBC100-M-D



IMPORTANT!

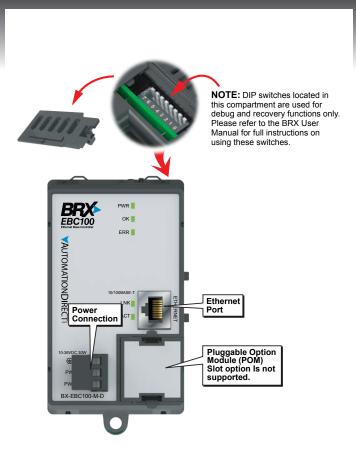


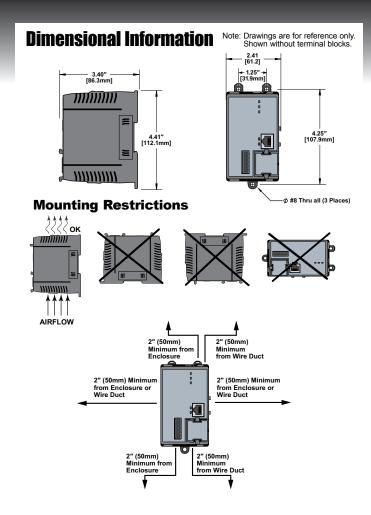
Hot-Swapping Information

Note: This device cannot be Hot Swapped.

Document Name	Edition/Revision	Date
BX-EBC100-M-D	1st Ed. RevB	9/8/2021

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Status Indicators				
Indicator	Status	Description		
PWR	OFF	Base Power is OFF		
	GREEN	Base Power is Good		
ОК	GREEN	Controller is Functioning Normally		
	GREEN (Blinking)	Reset Mode (Booter without OS)		
	YELLOW	Analog Module Mismatch		
	OFF	Controller HW Error or Power is Off		
ERR	OFF	Controller is Functioning Normally		
	RED	Controller HW Error or Communications Watchdog Timeout		
	RED (Blinking)	Reset Mode (Booter without OS)		
LNK	OFF	No Ethernet Link		
	GREEN	Ethernet Link is Good		
ACT	OFF	No Ethernet Activity		
	GREEN (Blinking)	Ethernet Activity		

Terminal Block Connector Specifications				
Part Number	BX-RTB03 (Included)	BX-RTB03-1 (optional)		
Connector Type	Screw Type-90°	Spring Clamp Type-180°		
Wire Exit	90 degree	180 degree		
Pitch	5.0mm	5.0mm		
Screw Size	M2.5	N/A		
Recommended Screw torque	< 3.98 Lb-in (0.45 N-m)	N/A		
Screwdriver Blade Width	3.5mm	3.5mm		
Wire Gauge (Single Wire)	28-12 AWG	28-14 AWG		
Wire Gauge (Two Wires)	28-16 AWG	28-16 AWG (Dual Wire Ferrule Required)		
Wire Strip Length	0.3in (7.5mm)	0.37in (9.5mm)		
Equiv. Dinkle part #	5ESDV-03P-BK	5ESDSR-03P-BK		