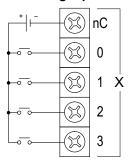
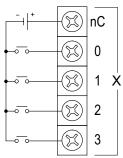
General Specifications Operating Temperature 0° to 60° C (32° to 140° F) -20° to 85° C (-4° to 185° F) Storage Temperature Humidity 5 to 95% (non-condensing) Environmental Air No corrosive gases permitted Vibration IEC60068-2-6 (Test Fc) Shock IEC60068-2-27 (Test Ea) **Enclosure Type** Open Equipment 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 Weight 107g (3.8 oz) Software Version Do-more! Designer 2.0 or later

I/O Wiring

Sinking Input



Sourcing Input



Discrete Input Specifications				
Input Type	Sink/Source			
Inputs per Module	4			
Nominal Voltage Range	12-24 VDC			
Input Voltage Range	9–30 VDC			
Maximum Voltage	30VDC			
Commons	1 (4 points/common)			
Input Current (typical)	8mA @ 24VDC			
Maximum Input Current	12mA @ 30VDC			
Input Impedance	3kΩ @ 24VDC			
ON Voltage Level	> 9.0 VDC			
OFF Voltage Level	< 2.0 VDC			
Status Indicators	Logic Side, Green			

Discrete Output Specifications				
Outputs Type	Relay Form A, SPST			
Outputs per Module	4			
Commons	1 (4 points/common) Isolated			
Maximum Current per Common	8A			
Nominal Voltages	12-48 VDC, 24-240 VAC			
Operating Voltage Range	5-60 VDC, 5-264 VAC			
Maximum Voltage	60VDC, 264VAC			
Minimum Output Current	0.1mA @24VAC/DC			
Maximum Output Current	2A			
Maximum Leakage Current	1μA			
Maximum Switching Frequency	10Hz			
Status Indicators	Logic Side, Green			

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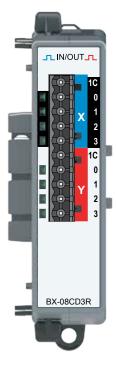


BRX Expansion Module

BX-08CD3R

Combination Discrete Expansion Module

In - 4-pt, 12-24 VDC, Sink/Source, Out - 4-pt. Relay Form A (SPST)



I/O Terminal Blocks sold separately.

(See Terminal Block Connection Options tables).

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-08CD3R



IMPORTANT!



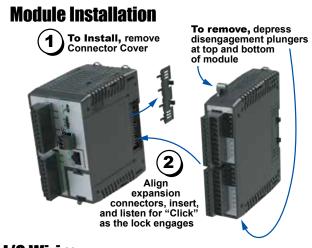
Hot-Swapping Information		
Note: This device cannot be Hot Swapped.		

Document Name	Edition/Revision	Date
BX-08CD3R	1st Ed. RevF	11/3/2020

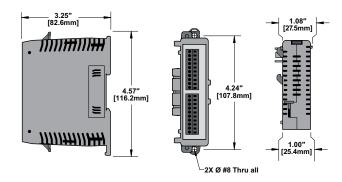
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^{*}Meets EMC and Safety requirements. See the D.O.C. for details.

Connector O	ptions — 8 point	
BX-RTB08	Terminal Block Kit, 90-degree screw type. For use with BRX 5-point, 8-point, and 12-point expansion modules. Kit includes (3) 5-pin 5mm plugs.	
BX-RTB08-1	Terminal Block Kit, 180-degree spring clamp type. For use with BRX 5-point, 8-point, and 12-point expansion modules. Kit includes (3) 5-pin 5mm plugs.	
BX-RTB08-2	Terminal Block Kit, 180-degree screw type. For use with BRX 5-point, 8-point, and 12-point expansion modules. Kit includes (3) 5-pin 5mm plugs.	
ZL-BXEM-CBL10	ZIP Link PLC I/O cable, 10-position terminal block to 24-pin connector, 24AWG, cable length 0.5meter (1.6ft). For use with 8-point BRX expansion modules.	
ZL-BXEM-CBL10-1	ZIP Link PLC I/O cable, 10-position terminal block to 24-pin connector, 24AWG, cable length 1meter (3.3ft). For use with 8-point BRX expansion modules.	
ZL-BXEM-CBL10-2	ZIPLink PLC I/O cable, 10-position terminal block to 24-pin connector, 24AWG, cable length 2meter (6.6ft). For use with 8-point BRX expansion modules.	
ZL-BXEM-CBL10-1P	ZIPLink PLC I/O cable, 10-position terminal block to pigtail connection, 24AWC, cable length 1meter (3.3ft). For use with 8-point BRX expansion modules.	
ZL-BXEM-CBL10-2P	ZIPLink PLC I/O cable, 10-position terminal block to pigtail connection, 24AWG, cable length 2meter (6.6ft). For use with 8-point BRX expansion modules.	
ZL-RTB20	ZIPLink Two Level Feedthrough Module, 20-pole, 35mm, DIN mount.	
ZL-RTB20-1	ZIPLink Three Level Feedthrough Module, 20-pole, 35mm, DIN mount.	



I/O Wiring Discrete Output Wiring



8 point Terminal Block Connector Specifications					
Part Number	BX-RTB08	BX-RTB08-1	BX-RTB08-2		
Connector Type	Screw Type-90°	Spring Clamp Type-180°	Screw Type-180°		
Wire Exit	180°	180°	180°		
Pitch	5.0mm	5.0mm	5.0mm		
Screw Size	M2.5	N/A	M2.5		
Recommended Screw torque	< 3.98 lb·in (0.45 N·m)	N/A	< 3.98 lb·in (0.45 N·m)		
Screwdriver Blade Width	3.5mm	3.5mm	3.5mm		
Wire Gauge (Single Wire)	28-12 AWG	28-14 AWG	28-12 AWG		
Wire Gauge (Two Wires)	28-16 AWG	28-16 AWG (Dual Wire Ferrule Required)	28-16 AWG		
Wire Strip Length	0.3in (7.5mm)	0.37in (9.5mm)	0.3in (7.5mm)		
Equiv. Dinkle part #	5ESDV-05P-BK	5ESDSR-05P-BK	5ESDF-05P-BK		