

BX-DM1E-18AR3 Cut Sheet



BRX Do-more PLC, 120-240 VAC required, Ethernet and serial ports, microSD card slot, Discrete Input: 10-point, AC, Analog Input: 1-channel, current/voltage, Discrete Output: 8-point, relay, Analog Output: 1-channel, current/voltage.

For complete product information, please see this item on our store at the following link:



<https://www.automationdirect.com/pn/BX-DM1E-18AR3>

Technical Specifications

Brand	BRX Do-more	Number of Discrete Output Points	8
Item	PLC	Nominal Output Voltage	12-48 VDC/24-240 VAC
Total Memory	192k words	Discrete Output Type	Relay
Ladder Memory	64k words	Relay Configuration	(8) Form A (SPST) relays
User Data Memory	128k words	Load Current	2A/point
Removable Media Type	MicroSD card slot	Number of Isolated Discrete Output Commons	2
Programming Language	Ladder	Number of Points per Discrete Output Common	4
Programming Software	Do-more Designer programming software v2.0 or later	Number of Analog Input Channels	1
Communication Port and Connection Type(s)	<ul style="list-style-type: none"> (1) Ethernet 10/100Base-T (RJ45) (1) RS-232/RS-485 (3-pin terminal) 	Analog Input Signal Type	Current/voltage
Port Protocol(s)	<ul style="list-style-type: none"> Do-more protocol MQTT Client FTP Client Modbus RTU Master/Slave Modbus TCP TCP/IP EtherNet/IP explicit messaging scanner/adaptor Ethernet remote I/O K-sequence Slave programming and monitoring 	Number of Non-Isolated Analog Input Commons	1
Port Speed(s)	<ul style="list-style-type: none"> 10/100 Mbps up to 115.2k baud 	Number of Points per Analog Input Common	1
Real Time Clock/Calendar	Yes	Input Resolution	16-bit
Retentive Memory	Yes	Input Current Signal Range	4-20 mA, +/- 20 mA
Battery Backup	Yes	Input Voltage Signal Range	0-5 VDC, 0-10 VDC, +/- 5 VDC, +/- 10 VDC
Maximum Expansion Modules Allowed	8	Number of Analog Output Channels	1
External Power Requirement	120-240 VAC	Analog Output Signal Type	Current/voltage
Number of Discrete Input Points	10	Number of Non-Isolated Analog Output Commons	1
Nominal Input Voltage	120-240 VAC	Number of Points per Analog Output Common	1
Voltage Type	AC	Output Resolution	16-bit
Number of Isolated Discrete Input Commons	2	Output Current Signal Range	4-20 mA and +/- 20 mA
Number of Points per Discrete Input Common	5	Output Voltage Signal Range	0-5 VDC, 0-10 VDC, +/- 5 VDC and +/- 10 VDC
		Maximum Number of PID Loops	100+ (configurable to memory limit)
		Includes	BX-RTB03S terminal block and D0-MC-BAT battery

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Requires	BX-RTB18 or BX-RTB18-1 terminal block kit or ZIPLink pre-wired cables
Dangerous Goods	<ul style="list-style-type: none">• Battery Installed: Yes• Packaging Instructions: 970• UN Number: UN3091• Hazard Type: Lithium Batteries• Battery Type: Button• Lithium Content: 0.07• Replacement Battery: D0-MC-BAT• Generic Battery: CR2032

Agency Approvals

UL Listed File #	E185989
UL Recognized File #	None
UL Hazardous File #	None
CE	View CE declarations
CSA File #	None
RoHS Status	Yes (See CE Doc)
EU REACH	View EU REACH document