

# BX-DM1-36AR Cut Sheet



BRX Do-more PLC, 120-240 VAC required, serial port, microSD card slot, Discrete Input: 20-point, AC, Discrete Output: 16-point, relay.

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



<https://www.automationdirect.com/pn/BX-DM1-36AR>

## Technical Specifications

<b>Brand</b>	BRX Do-more
<b>Item</b>	PLC
<b>Total Memory</b>	192k words
<b>Ladder Memory</b>	64k words
<b>User Data Memory</b>	128k words
<b>Removable Media Type</b>	MicroSD card slot
<b>Programming Language</b>	Ladder
<b>Programming Software</b>	Do-more Designer programming software v2.0 or later
<b>Communication Port and Connection Type(s)</b>	(1) RS-232/RS-485 (3-pin terminal)
<b>Port Protocol(s)</b>	<ul style="list-style-type: none"><li>• Do-more protocol</li><li>• Modbus RTU Master/Slave</li><li>• ASCII In/out</li><li>• K-sequence Slave</li><li>• webserver (non-secure HTTP)</li><li>• programming and monitoring</li></ul>
<b>Port Speed(s)</b>	up to 115.2k baud
<b>Real Time Clock/Calendar</b>	Yes
<b>Retentive Memory</b>	Yes
<b>Battery Backup</b>	Yes
<b>Maximum Expansion Modules Allowed</b>	4
<b>External Power Requirement</b>	120-240 VAC
<b>Number of Discrete Input Points</b>	20
<b>Nominal Input Voltage</b>	120-240 VAC
<b>Voltage Type</b>	AC
<b>Number of Isolated Discrete Input Commons</b>	5
<b>Number of Points per Discrete Input Common</b>	4
<b>Number of Discrete Output Points</b>	16
<b>Nominal Output Voltage</b>	12-48 VDC/24-240 VAC
<b>Discrete Output Type</b>	Relay

<b>Relay Configuration</b>	(16) Form A (SPST) relays
<b>Load Current</b>	2A/point
<b>Number of Isolated Discrete Output Commons</b>	4
<b>Number of Points per Discrete Output Common</b>	4
<b>Maximum Number of PID Loops</b>	100+ (configurable to memory limit)
<b>Includes</b>	BX-RTB03S terminal block and D0-MC-BAT battery
<b>Requires</b>	BX-RTB36 or BX-RTB36-1 terminal block kit or ZIPLink pre-wired cables
<b>Dangerous Goods</b>	<ul style="list-style-type: none"><li>• Battery Installed: Yes</li><li>• Packaging Instructions: 970</li><li>• UN Number: UN3091</li><li>• Hazard Type: Lithium Batteries</li><li>• Battery Type: Button</li><li>• Lithium Content: 0.07</li><li>• Replacement Battery: D0-MC-BAT</li><li>• Generic Battery: CR2032</li></ul>

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## Agency Approvals

<b>UL Listed File #</b>	E185989
<b>UL Recognized File #</b>	None
<b>UL Hazardous File #</b>	None
<b>CE</b>	<a href="#">View CE declarations</a>
<b>CSA File #</b>	None
<b>RoHS Status</b>	Yes (See CE Doc)
<b>EU REACH</b>	<a href="#">View EU REACH document</a>

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## Dimensional Drawings



2D Drawing PDF Link:  
[https://cdn.automationdirect.com  
/static/drawings/BX-DM1-36AR.pdf](https://cdn.automationdirect.com/static/drawings/BX-DM1-36AR.pdf)  
See store item page for other formats.

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