## 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**

Total Memory	Brand	BRX Do-more
Total Memory 192k words Ladder Memory 64k words User Data Memory 128k words Removable Media Type MicroSD card slot Programming Language Ladder Programming Software Do-more Designer programming software v2.0 or later Communication Port and Connection Type(s)  Port Protocol(s)  Port Protocol(s)  Port Speed(s)  Port Speed(s)  Real Time Clock/Calendar Retentive Memory Battery Backup Maximum Expansion Modules Allowed External Power Requirement Number of Discrete Input Points Nominal Input Voltage Voltage Type AC Number of Isolated Discrete Input Commons Number of Discrete Output Points  Number of Discrete Output Points  Number of Discrete Output Points  16		
Ladder Memory User Data Memory 128k words Removable Media Type MicroSD card slot Programming Language Programming Software Communication Port and Connection Type(s)  Port Protocol(s)  Port Speed(s) Real Time Clock/Calendar Retentive Memory Battery Backup Maximum Expansion Modules Allowed External Power Requirement Number of Discrete Input Points Number of Isolated Discrete Input Commons Number of Points per Discrete Input Common Number of Discrete Output Points  16		
User Data Memory Removable Media Type Programming Language Programming Software Communication Port and Connection Type(s)  Port Protocol(s)  Port Speed(s) Real Time Clock/Calendar Retentive Memory Battery Backup Maximum Expansion Modules Allowed External Power Requirement Number of Discrete Input Points Number of Isolated Discrete Input Commons Number of Discrete Output Points  128k words MicroSD card slot  10 RS-232/RS-485 (3-pin terminal)  * Do-more protocol * Modbus RTU Master/Slave * ASCII In/out * K-sequence Slave * programming and monitoring  Port Speed(s)  up to 115.2k baud  Yes  Retentive Memory Yes  Battery Backup Yes  Maximum Expansion Modules Allowed  4  External Power Requirement  120-240 VAC  * VAC		1021(110100
Removable Media Type MicroSD card slot  Programming Language Ladder  Programming Software Do-more Designer programming software v2.0 or later  Communication Port and Connection Type(s) (1) RS-232/RS-485 (3-pin terminal)  Port Protocol(s) Do-more protocol Modbus RTU Master/Slave  - ASCII In/out  - K-sequence Slave - programming and monitoring  Port Speed(s) up to 115.2k baud  Real Time Clock/Calendar Yes  Retentive Memory Yes  Battery Backup Yes  Maximum Expansion Modules Allowed 4  External Power Requirement 120-240 VAC  Number of Discrete Input Points 20  Nominal Input Voltage 120-240 VAC  Voltage Type AC  Number of Isolated Discrete Input Commons  Number of Points per Discrete Input Common 166  Number of Discrete Input Common 176  Number o	<u> </u>	
Programming Language Do-more Designer programming software v2.0 or later Communication Port and Connection Type(s)  Port Protocol(s)  Port Protocol(s)  Port Speed(s)  Real Time Clock/Calendar Yes Retentive Memory Yes Battery Backup Yes Maximum Expansion Modules Allowed External Power Requirement Number of Discrete Input Points  Nominal Input Voltage Voltage Type AC Number of Points per Discrete Input Common Number of Discrete Input Common		
Programming Software       Do-more Designer programming software v2.0 or later         Communication Port and Connection Type(s)       (1) RS-232/RS-485 (3-pin terminal)         Port Protocol(s)       • Do-more protocol • Modbus RTU Master/Slave • ASCII In/out • K-sequence Slave • programming and monitoring         Port Speed(s)       up to 115.2k baud         Real Time Clock/Calendar       Yes         Retentive Memory       Yes         Battery Backup       Yes         Maximum Expansion Modules Allowed       4         External Power Requirement       120-240 VAC         Number of Discrete Input Points       120-240 VAC         Voltage Type       AC         Number of Points per Discrete Input Common       5         Number of Discrete Input Common       4         Number of Discrete Input Common       4         Number of Discrete Input Common       16		
Communication Port and Connection Type(s)  Port Protocol(s)  Port Protocol(s)  Port Speed(s)  Real Time Clock/Calendar Retentive Memory  Battery Backup  Maximum Expansion Modules Allowed  External Power Requirement  Number of Discrete Input Points  Number of Isolated Discrete Input Commons  Number of Points per Discrete Input Common  Number of Discrete Output Points  (1) RS-232/RS-485 (3-pin terminal)  Do-more protocol  Modules RTU Master/Slave  ASCII In/out  K-sequence Slave  Programming and monitoring  Port Speed(s)  Port Speed(s)  Port Speed(s)  Pop 115.2k baud  Pes  Pes  Pes  Maximum Expansion  4  4  Lau-240 VAC  Politage Type  AC  AC  Number of Isolated Discrete Input Commons  Number of Points per Discrete Input Common  A  Number of Discrete Output Points  AC  Number of Discrete Output Points  AC  Number of Discrete Output Points  AC  AC  Number of Discrete Output Points  AC  Number of Discrete Output Points  AC  AC  AC  AC  AC  AC  AC  AC  AC  A		
Port Protocol(s)  • Modbus ŘTU Master/Slave • ASCII In/out • K-sequence Slave • programming and monitoring  Port Speed(s)  Real Time Clock/Calendar Retentive Memory  Battery Backup  Maximum Expansion Modules Allowed  External Power Requirement  Number of Discrete Input Points  Nominal Input Voltage  Voltage Type  AC  Number of Points per Discrete Input Commons  Number of Discrete Output Points  16	Communication Port	
Real Time Clock/Calendar Yes Retentive Memory Yes Battery Backup Yes Maximum Expansion Modules Allowed 4  External Power Requirement 120-240 VAC  Number of Discrete Input Points 120-240 VAC  Voltage Type AC  Number of Isolated Discrete Input Commons 5  Number of Points per Discrete Input Common 4  Number of Discrete Output Points 16	Port Protocol(s)	Modbus RTU Master/Slave     ASCII In/out     K-sequence Slave
Retentive Memory Yes  Battery Backup Yes  Maximum Expansion Modules Allowed  External Power Requirement  Number of Discrete Input Points  Nominal Input Voltage  Voltage Type  AC  Number of Isolated Discrete Input Commons  Number of Points per Discrete Input Common  Number of Discrete Output Points  16	Port Speed(s)	up to 115.2k baud
Battery Backup  Maximum Expansion Modules Allowed  External Power Requirement  120-240 VAC  Number of Discrete Input Points  Nominal Input Voltage  120-240 VAC  Voltage Type  AC  Number of Isolated Discrete Input Commons  Number of Points per Discrete Input Common  Number of Discrete Output Points  16	Real Time Clock/Calendar	Yes
Maximum Expansion Modules Allowed  External Power Requirement  Number of Discrete Input Points  Nominal Input Voltage  Voltage Type  AC  Number of Isolated Discrete Input Commons  Number of Points per Discrete Input Common  Number of Discrete Output Points  4	Retentive Memory	Yes
Modules Allowed  External Power Requirement  Number of Discrete Input Points  Nominal Input Voltage  Voltage Type  AC  Number of Isolated Discrete Input Commons  Number of Points per Discrete Input Common  Number of Discrete Output Points  4	Battery Backup	Yes
Requirement  Number of Discrete Input Points  Nominal Input Voltage  Voltage Type  AC  Number of Isolated Discrete Input Commons  Number of Points per Discrete Input Common  Number of Discrete Output Points  120-240 VAC  20  120-240 VAC  4  120-240 VAC  4  16	•	4
Input Points  Nominal Input Voltage  120-240 VAC  Voltage Type  AC  Number of Isolated Discrete Input Commons  Number of Points per Discrete Input Common  Number of Discrete Output Points  20  120-240 VAC  4  5  16		120-240 VAC
Voltage Type AC  Number of Isolated Discrete Input Commons  Number of Points per Discrete Input Common  Number of Discrete Output Points  AC  5  16		20
Number of Isolated Discrete Input Commons  Number of Points per Discrete Input Common  4  Number of Discrete Output Points  16	Nominal Input Voltage	120-240 VAC
Number of Points per Discrete Input Common  4  Number of Discrete Output Points  16	Voltage Type	AC
Number of Discrete Output Points  4  16		5
Output Points 16		4
Nominal Output Voltage 12-48 VDC/24-240 VAC		16
	Nominal Output Voltage	12-48 VDC/24-240 VAC
Discrete Output Type Relay	Discrete Output Type	Relay

Relay Configuration	(16) Form A (SPST) relays
Load Current	2A/point
Number of Isolated Discrete Output Commons	4
Number of Points per Discrete Output Common	4
Maximum Number of PID Loops	100+ (configurable to memory limit)
Includes	BX-RTB03S terminal block and D0-MC-BAT battery
Requires	BX-RTB36 or BX-RTB36-1 terminal block kit or ZIPLink pre-wired cables
Dangerous Goods	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

## BX-DM1-36AR Cut Sheet



## 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