BX-DM1-10ED2-D Cut Sheet

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BRX Do-more PLC, 12-24 VDC required, serial port, microSD card slot, Discrete Input: 6-point, AC/DC, Discrete Output: 4-point, sourcing.

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

https://www.automationdirect.com/pn/BX-DM1-10ED2-D

Technical Specifications

Brand	BRX Do-more
Item	PLC
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)	(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	2
External Power Requirement	12-24 VDC
Number of Discrete Input Points	6
Nominal Input Voltage	12-24 VAC/VDC
Voltage Type	AC/DC
Discrete Input Type	Sinking/sourcing
Number of Isolated Discrete Input Commons	2
Number of Points per Discrete Input Common	3
Frequency Response	250 kHz
Number of Discrete Output Points	4

Nominal Output Voltage	12-24 VDC
Discrete Output Type	Sourcing
Load Current	0.5A/point
Number of Isolated Discrete Output Commons	2
Number of Points per Discrete Output Common	2
Maximum Switching Frequency	250 kHz
Maximum Number of PID Loops	100+ (configurable to memory limit)
Number of High-Speed Capable Input Points	6
High-Speed Counter(s)	up to (3) up counters,up to (3) down counters,up to (3) up/down counters,up to (3) pulse/direction (bi-directional) counters,up to (3) quadrature (A and B) counters,up to (3) quadrature (A and B with Z) counters
Position Scaling	up to (3) up counters,up to (3) down counters,up to (3) up/down counters,up to (3) pulse/direction (bi-directional) counters,up to (3) quadrature (A and B) counters,up to (3) quadrature (A and B with Z) counters
Interval Measurement	up to (3) single input (edge) timers,up to (3) dual input (dual edge) timers
Duration Measurement	up to (3) single input (edge) timers
Frequency Measurement	up to (3) single input up counters,up to (3) single input down counters,up to (3) pulse/direction (bi-directional) counters,up to (3) quadrature input (A and B) counters,up to (3) quadrature (A and B with Z) counters,up to (3) edge timers interval scaling,up to (3) dual edge timers interval scaling
Interrupt(s)	up to (4) input interrupts,up to (4) timer interrupts,up to (4) match register interrupts

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Table-Driven Input(s)	• up to (4) programmable limit switches • up to (4) preset tables
Number of High-Speed Capable Output Points	2
Output Pulse Mode(s)	• up to (4) virtual axes • up to (2) PTO linear step/direction outputs • up to (1) PTO rotary clockwise/counter-clockwise (CW/CCW) output • up to (1) PTO quadrature (A and B) output • up to (2) PWM pulse width modulation outputs
Axis Profile(s)	• relative/absolute positioning • velocity mode • trapezoid • S-curve • electronic gearing • camming • following • homing • jogging

Includes	BX-RTB03S terminal block and D0-MC-BAT battery
Requires	BX-RTB10, BX-RTB10-1 or BX-RTB10-2 terminal block kit or ZIPLink pre-wired cables

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