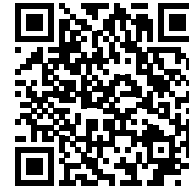


BX-DM1E-36ED23 Cut Sheet



BRX Do-more PLC, 120-240 VAC required, Ethernet and serial ports, microSD card slot, Discrete Input: 20-point, AC/DC, Analog Input: 4-channel, current/voltage, Discrete Output: 16-point, sourcing, Analog Output: 2-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-36ED23>

Technical Specifications

Brand	BRX Do-more	Number of Discrete Output Points	16
Item	PLC	Nominal Output Voltage	12-24 VDC
Total Memory	192k words	Discrete Output Type	Sourcing
Ladder Memory	64k words	Load Current	0.5A/point
User Data Memory	128k words	Number of Isolated Discrete Output Commons	4
Removable Media Type	MicroSD card slot	Number of Points per Discrete Output Common	4
Programming Language	Ladder	Maximum Switching Frequency	250 kHz
Programming Software	Do-more Designer programming software v2.0 or later	Number of Analog Input Channels	4
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 protocolMQTT ClientFTP ClientModbus RTU Master/SlaveModbus TCPTCP/IPEtherNet/IP explicit messaging scanner/adaptorEthernet remote I/OK-sequence Slaveprogramming and monitoring	Number of Non-Isolated Analog Input Commons	1
Port Speed(s)	<ul style="list-style-type: none">10/100 Mbpsup to 115.2k baud	Number of Points per Analog Input Common	4
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	2
External Power Requirement	120-240 VAC	Analog Output Signal Type	Current/voltage
Number of Discrete Input Points	20	Number of Non-Isolated Analog Output Commons	3
Nominal Input Voltage	12-24 VAC/VDC	Number of Points per Analog Output Common	2
Voltage Type	AC/DC	Output Resolution	16-bit
Discrete Input Type	Sinking/sourcing	Output Current Signal Range	4-20 mA and +/- 20 mA
Number of Isolated Discrete Input Commons	5	Output Voltage Signal Range	0-5 VDC, 0-10 VDC, +/- 5 VDC and +/- 10 VDC
Number of Points per Discrete Input Common	4	Maximum Number of PID Loops	100+ (configurable to memory limit)
Frequency Response	250 kHz	Number of High-Speed Capable Input Points	10

BX-DM1E-36ED23 Cut Sheet

High-Speed Counter(s)	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• up to (3) single input (edge) timers• up to (3) dual input (dual edge) timers
Duration Measurement	<ul style="list-style-type: none">• up to (3) single input (edge) timers
Frequency Measurement	<ul style="list-style-type: none">• 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)	<ul style="list-style-type: none">• up to (4) input interrupts• up to (4) timer interrupts• up to (4) match register interrupts

Table-Driven Input(s)	<ul style="list-style-type: none">• up to (4) programmable limit switches• up to (4) preset tables
Number of High-Speed Capable Output Points	8
Output Pulse Mode(s)	<ul style="list-style-type: none">• up to (4) virtual axes• up to (3) PTO linear step/direction outputs• up to (3) PTO rotary clockwise/counter-clockwise (CW/CCW) outputs• up to (3) PTO quadrature (A and B) outputs• up to (3) PWM pulse width modulation outputs
Axis Profile(s)	<ul style="list-style-type: none">• 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-RTB36 or BX-RTB36-1 terminal block kit or ZIPLink pre-wired cables
Dangerous Goods	<ul style="list-style-type: none">• Battery Installed

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
Other	None