BRX MPU with Do-more! DM1 technology

120 VAC required, serial port, Ethernet port, microSD slot, Discrete Input: 20-point, sink / source, Analog Input: 4-channel, current / voltage, Discrete Output: 16-point, sinking, Analog Output: 2-channel, current / voltage.

WARNING: To minimize the risk of potential safety problems, you should follow all applicable local and national codes that regulate the installation and operation of your equipment. These codes vary from area to area and it is your responsibility to determine which codes should follow all applicable local and national codes that regulate the installation and operation of your equipment. These codes vary from area to area and it is your responsibility to determine which codes should be followed, and to verify that the equipment, installation, and operation are in compliance with the latest revision of these codes.

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**Discrete Input Specifications**

- **Input Type**: Sink Source
- **Total Inputs per Module**: 20 Total – 10 High Speed (X0-X9) , 10 Standard (X10-X19)
- **AC inputs may also be used as standard inputs**
- **Commons**: 14 (4 points/contacts) isolated
- **Nominal Voltage Rating**: 12-24 VAC/DC
- **Input Range**: 10-30 VAC/DC
- **Maximum Voltage**: 30 VAC/DC
- **DC Frequency**: 0-25kHz - High Speed
- **Minimum Pulse Width**: 0.5 µs - High Speed
- **AC Frequency**: 47-63 Hz (60-240Hz filter must be set in software)
- **Input Impedance**: 500Ω
- **Input Current (typical)**: 6mA @ 24 VACDC
- **Maximum Input Current**: 12mA @ 30 VACDC
- **Maximum OFF Current**: 2.5mA
- **ON Voltage Level**: < 0.5 VAC/VDC
- **OFF Voltage Level**: > 2.0 VAC/VDC
- **Status Indicators**: Logic Side, Green

**Discrete Output Specifications**

- **Output Type**: Sinking
- **Total Outputs per Module**: 16 Total – 8 High Speed (Y0-Y7)**
- **All outputs may be used as standard outputs**
- **Commons**: 7 (4 points/contacts) isolated
- **Maximum Current per Common**: 2A
- **Nominal Voltage Rating**: 12-24 VDC
- **Operating Voltage Range**: 6-36 VDC
- **Maximum Voltage**: 36VDC
- **Minimum Output Current**: 0.5mA @ 24VDC
- **Maximum Output Current**: 0.5A per output, no derating over temperature range
- **Maximum Leakage Current**: 10µA
- **Maximum Switching Frequency**: 1kHz cable 200kHz
- **Status Indicators**: Logic Side, Green

**Analog Input Specifications**

- **Input Type**: N/A
- **Input Type**: N/A
- **Input Voltage Range**: Software Selectable ±10V, ±20V, 0-10V, 0-5V
- **Input Current Range**: Software Selectable ±20mA, ±4 mA
- **Resolution**: 16 bit @ ±10V, ± 20mA
- **Conversion Time**: 1.2 ms
- **Input Impedance Voltage**: N/A
- **Input Impedance Current**: 240Ω

**Analog Output Specifications**

- **Output Type**: N/A
- **Output Voltage Range**: Software Selectable ±10V, ±20V, 0-10V, 0-5V
- **Minimum Voltage Load Impedance**: 1.2Ω
- **Output Current Range**: Software Selectable ±10mA, ±20 mA
- **Maximum Voltage Load Impedance**: 50Ω
- **Maximum Current Load Impedance**: 50Ω
- **Settling Time**: 1ms
- **Resolution**: 16 bit @ ±10V, ± 20mA

**High Speed Input (HSI) Functions**

- **Input Function**: Required
- **Inputs Required**: Up counters, Down counters
- **Frequency**: Up to (3)
- **Counting**: 0
- **Position Sensing**: 0
- **Measurement**: 0
- **Output(s)**: 0
- **Preset Tables**: 0
- **Interrupt(s)**: 0
- **Time Interval**: 0

**High Speed Output (HSO) Functions**

- **Input Function**: Required
- **Inputs Required**: 0
- **Frequency**: 0
- **Position Sensing**: 0
- **Measurement**: 0
- **Output(s)**: 0
- **Preset Tables**: 0
- **Interrupt(s)**: 0
- **Time Interval**: 0

**Analog Current Sinking Input Circuits**

- **2-Wire Transmitter**: 12mA @ 30 VAC/DC
- **3-Wire Current Transmitter**: 24VDC User Supplied Power

**Analog Output Wiring**

- **Current Source Output**: N/A
- **Voltage Output**: N/A

**Analog Voltage Input Circuits**

- **3-Wire Voltage Transmitter**: N/A

**I/O Wiring**

- **Discrete Input Wiring**: N/A
- **Discrete Output Wiring**: N/A
- **Sourcing Input**: N/A
- **Supply Power Wiring**: 120-240 VAC

**Tape from Battery**

- **NOTE:** All inputs may be used as standard inputs
- **20 Total – 10 High Speed (X0-X9) + 10 Standard (X10-X19) **