



MAXIFLEX 8DI-C Module

Model M1321A Maxiflex 8DI-C Contact Input Full Isolation Module.

DATASHEET



FEATURES

- Fits in any MAXIFLEX base I/O slot
- 8 Digital Inputs with full isolation
- > 4.5V and < 200 V dc input voltage
- LED Input Indication
- Each input fully isolated from the other
- Each input can be Positive or Negative Common Supply (ie source or sink) or Potential Free
- Removable Terminal Blocks
- Hot Plug-in
- In system automatic module detection

The Maxiflex M1321A I/O module provides 8 digital inputs with full channel isolation and can monitor the condition of potential-free contacts or contacts with dc potential across them. Each input uses two sensing wires, fully isolated from each other, to detect the status of the input.

All inputs are opto-isolated from the system logic.

The module may be inserted into any I/O slot in a Maxiflex system.

The status of each input is displayed on a 2x4 LED matrix on the front of the module.

The module can be inserted or removed while the system is powered.

SPECIFICATIONS

Inputs

Number	8
Required dc potential of the monitored input	>4,5 V dc and < 200 V dc
Sensing current	< 0,55 mA
Closed/open resistance	RON <2 kΩ ROFF >20 kΩ
Sensing cable capacitance	<100 nF
Response time	15 ms (an input must maintain its state for at least 15 ms in order for its state to be detected)
Insulation resistance	1000 MΩ minimum at 500 V dc (between field and bus)
Isolation	1 500 V ac, 50/60 Hz for 1 minute (transformer)

Input Termination

Terminal Type	Screw clamp Plug-in Terminal Blocks
Wire Size	2.0mm ² maximum For manageable wiring to the module, 0.5 mm ² is recommended

Environmental

Operating Temperature	-25°C to +60°C (-13°F to +140°F)
Storage Temperature	-40°C to +70°C (-40°F to +158°F)
Humidity	95% max. at 40°C (104°F) non-condensing.
Protection	Electronics Conformally coated

Logic Power Consumption

From Logic Power Supply	80mA from 5Vdc 0mA from 12Vdc
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Auto Identification Codes

Module ID	1
Scan Code	6

Mass

Excluding Packaging	270g (9.6oz)
Including Packaging	360g (12.7oz)

Ordering Information

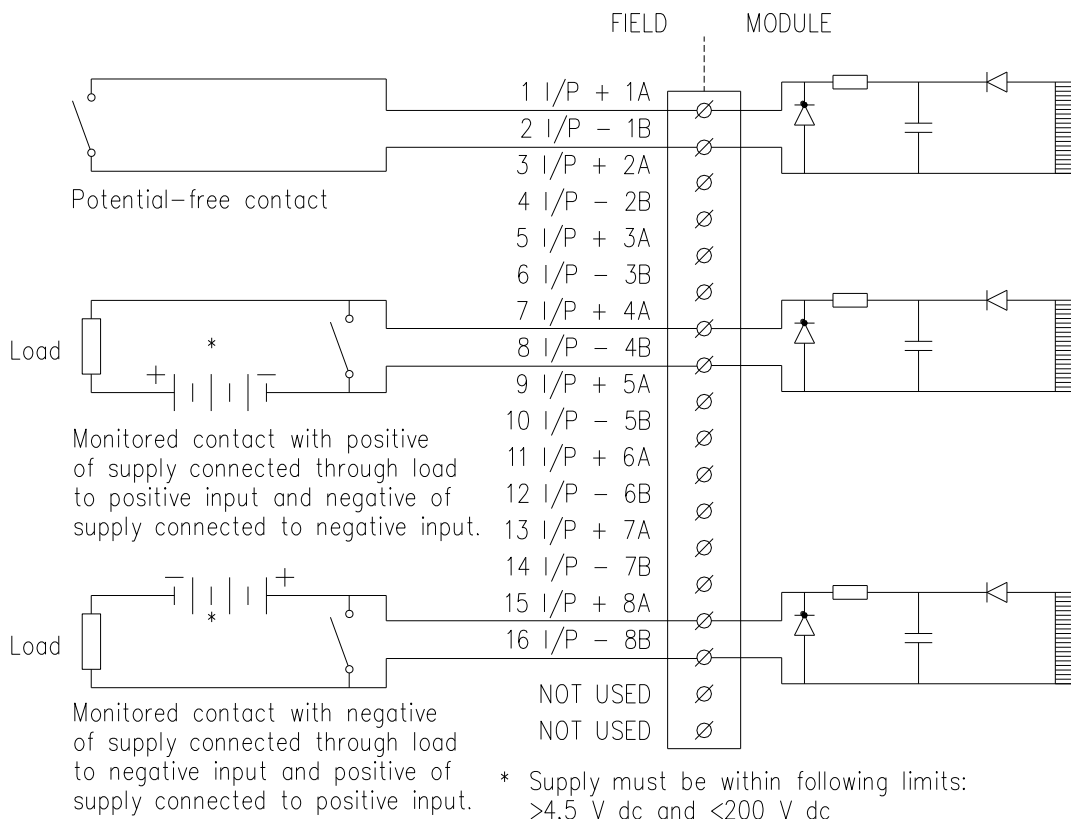
Model	Order Code
Maxiflex 8DI-C Module	M1321A



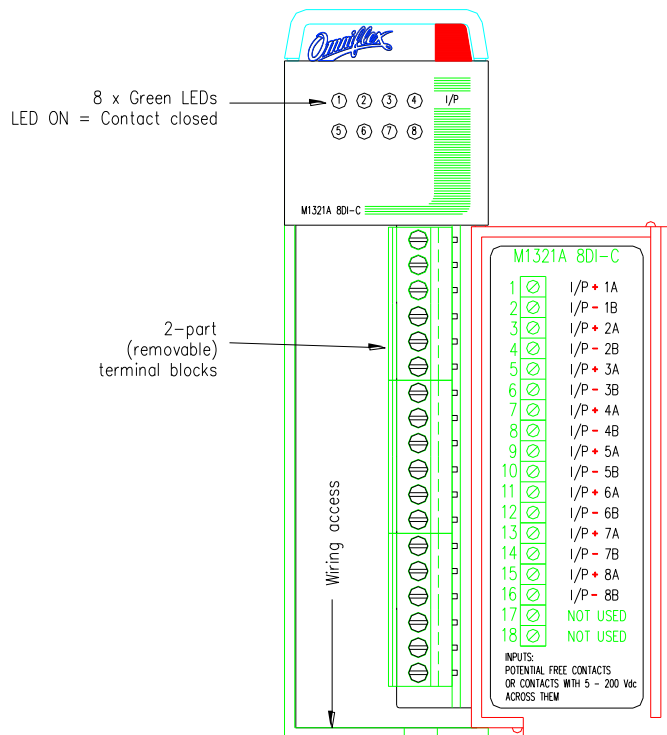
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ELECTRICAL CONNECTIONS



MECHANICAL CONFIGURATION



Note: The LEDs can only be seen when illuminated, as they are located behind the LED cover.