

Allen-Bradley 1792D-8BIO8E

The 1792D-8BIO8E module is an Allen-Bradley standalone I/O module. The unit features 8 input channels and 8 output channels.

Technical specifications for 1792D-8BIO8E

Manufacturer Allen Bradley

Category Motors

Product Line 1792D ArmorBlock MaXum I/O

Part Number 1792D-8BIO8E

Weight 1.19 lbs (0.54 kg)

Channels 16

Input Channels 8

Output Channels 8

Voltage 24 Volts DC I/O module

ESD Sensitive Yes

I/O Connections Loopback Connections

Output Power Source DeviceNet

UPC 10612598206596

Description

The 1792D-8BIO8E module is a stand-alone 24 Volts DC I/O module. The 1792D-8BIO8E module supports the DeviceNet network and it comes with 16 channels. The channels are broken down into 8 input channels and 8 output channels. The input channels feature 24 Volts DC sinking voltage, while the outputs are self-protected 24 Volts DC outputs providing a maximum of 0.3 Amps of current each. The connector features a single input and a single output. The unit's output power is obtained internally from the DeviceNet power. The inputs and the outputs provide the users with short-circuit protection with notifications on the block level. The local logic control is added to the 1792D-8BIO8E module. The 1792D-8BIO8E module has been manufactured and tested to meet the Council Directive 89/336/EEC Standard for electromagnetic compatibility.

The 1792D-8BIO8E module also meets the EN 50081-1 EMC Generic Emission Standard (Part 2) for industrial environments and the EN 50082-2 EMC Generic Immunity Standard. While installing the 1792D-8BIO8E module, ensure that all the connectors and the caps are securely tightened so that they are properly sealed and that the components are protected against potential leaks. The 1792D-8BIO8E module is prone to noise disturbances so the technicians need to ensure that the input and the output cables are properly terminated. Therefore, with the inputs and the outputs connected in loopback formations, the return wires must be connected back together. This ensures maximum noise immunity, which is essential to achieve the desired output. The

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1792D-8BIO8E module I/O will be exchanged with the master device via a polled, change of state, or cyclic connection. The cyclic connection allows for the configuration of the 1792D-8BIO8E module as a Client I/O. Therefore, the 1792D-8BIO8E module produces its I/O cyclically at the configured rate.



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