

Allen-Bradley 1794-IB8 Manual

Brand	Allen-Bradley
Product Series	1746 1747
Product Type	Flex I/O Digital Input Modules

Description

The Allen-Bradley/Rockwell Automation 1794-IB8 digital input module is available through the Allen-Bradley Flex I/O 1794 series. It is DC-powered and it has 8 current sinking inputs. The 1794-IB8 digital input module has on-state voltage ratings of 10 Volts DC minimum and 31.2 Volts DC maximum. Additionally, the on-state current ratings of this input module include 2 Technical specifications for 1794-IB8

Manufacturer Rockwell Automation

Brand Allen-Bradley

Part Number/Catalog No. 1794-IB8

Product Type Flex I/O Digital Input Modules

Inputs 8 Current Sinking

On-state Voltage min. 10V DC

On-state Voltage max. 31.2V DC

On-state Current min. 2.0mA min.

On-state Current max. 12.0mA

Off-state Voltage max. 5V DC

Off-state Current max. 1.5mA

Nominal Input Impedance 4.6 k Ω

Flexbus Current 20mA @ 5V DC

Power Dissipation 3.5W @ 31.2V DC max.

UPC 10612598181282 Description

The Allen-Bradley 1794-IB8 is a Flex 1794 Digital DC Input module. It is fitted inside the terminal bus making a connection with the field devices and the I/O bus. Modules can be inserted or removed under power since the I/O module does not have any direct wiring. It in turn saves time and removes system restarting inefficiency. It is very popular because of its reliability, flexibility, cost-effectiveness, and modularity. The 1794-IB8 module has 8 current sinking inputs with 24V DC nominal On-State voltage, 10 – 31.2V DC On-State voltage range, and 1.5mA minimum Off-State current. It has a maximum power dissipation of 3.5W at 31.2V DC. Terminal base units compatible with it are the 1794-TB3 and the 1794-TB3S. It is installed using a DIN rail. It has various communication options such as ControlNet, DeviceNet, EtherNet/IP, and Universal Remote I/O. The 1794-IB8 module has 16 yellow LEDs as status indicators for each channel. LEDs indicate corresponding input devices and output signals. It also has D and XT versions of standard modules for diagnostics and extreme environments, reducing panel and maintenance costs. It has a 0 - 55 °C (32 - 131 °F) operating temperature and a 5 - 95% noncondensing relative humidity.

Technical Specifications

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