

Allen-Bradley 1794-OB8

The 1794-OB8 output module is an Allen-Bradley/Rockwell Automation output module from the Flex I/O 1794 series. Its outputs are all sourcing current types of outputs and they are not isolated. The 1794-OB8 output module has been rated for safe operation in both European hazardous locations and North American hazardous locations. The outputs are not fused at the factory, but fusing them

Technical specifications for 1794-OB8

Manufacturer Rockwell Automation

Brand Allen-Bradley

Part Number/Catalog No. 1794-OB8

Product Type Flex I/O Digital DC Output Module

Outputs 8 Sourcing Current

On-state Voltage nom. 24V DC

Output Current Rating 4A

On-state Current max. 500mA per Channel

On-state Voltage Drop max. 0.5V DC

Off-state Leakage Current max. 0.5mA

Isolation Voltage 50V Continuous

Flexbus Current 60mA @ 5V DC

Power Dissipation 3.3W @ 31.2V DC max.

Thermal Dissipation 11.2 BTU/hr. @ 31.2V DC max.

UPC 10612598181299 Description

The Allen-Bradley 1794-OB8 is a 1794 FLEX Digital DC Output 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. The 1794-OB8 module has 8 current sourcing outputs. It has 24V DC nominal On-State output voltage. It has a maximum output delay time of 0.5ms from Off-to-On and 1ms from On-to-Off. It has a maximum power dissipation of 3.3W at 31.2V DC. Terminal Base units compatible with it are the 1794-TB3, 1794-TB3S, and the 1794-TBKD. The 1794-OB8 has an external power supply of 10 - 31.2V DC voltage with a 5% AC ripple and 10 - 35mA current. It is installed using a DIN rail by simply snapping it onto the DIN rail. It has various communication options such as ControlNet, DeviceNet, EtherNet/IP, and Universal Remote I/O. The 1794-OB8 module has 16 yellow LED status indicators for each channel indicating a corresponding input device and output signal. It also has XT versions of standard modules for operating in extreme environments which reduce panel and maintenance costs. The 1794-OB8 has a 0 - 55 ° C (32 - 131 ° F) operating temperature and 5 - 95% noncondensing relative humidity.

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