

Allen-Bradley 1794-OB16D

The Allen-Bradley 1794-OB16D Flex I/O Digital Output Module w/ Diagnostics has 16 Nonisolated Outputs, a 24V DC Output Voltage nom., and a 8.0A Output Current Rating. It also operates with a 0.5mA Off-state Leakage max. and a 0.5 ms Output Signal Delay. Technical specifications for 1794-OB16D

Manufacturer Rockwell Automation

Brand Allen-Bradley

Part Number/Catalog No. 1794-OB16D

Product Type Flex I/O Digital Output Module w/ Diagnostics

Outputs 16 Nonisolated

Output Voltage nom. 24V DC

Output Current Rating 8.0A

On-state Current max. 500mA per Channel

Off-state Leakage max. 0.5mA

Output Signal Delay 0.5 ms

Isolation Voltage 50V

Flexbus Current 60mA @ 5V DC

Power Dissipation 4.8W @ 31.2V DC max.

Thermal Dissipation 16.4 BTU/hr. @ 31.2V DC max.

UPC 10612598305961 Description

The Allen-Bradley 1794-OB16D is a 1794 FLEX Digital DC Output Module. It is a Diagnostic (D) module that detects, indicates, and reports open and shorted input or output field devices or wiring. 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-OB16D module has 16 current sourcing outputs. It has a 24V DC nominal On-State output voltage, a 10 - 31.2V DC On-State output voltage range and 500mA per channel with 8A per module maximum On-State output current. It has a maximum output delay time of 0.1ms from On-to-Off and vice versa. It has a maximum power dissipation of 4.8W at 31.2V DC. Terminal Base units compatible with it are the 1794-TB3, 1794-TB3S and the 1794-TBKD. It has an external power supply of 10 - 31.2V DC voltage with 5% AC ripple and 56 - 78mA current. It is installed using a DIN rail by simply snapping it onto the DIN rail. It has various communication options like ControlNet, DeviceNet, EtherNet/IP, and Universal Remote I/O. The 1794-OB16D module has 16 yellow LED status indicators for each channel indicating the corresponding input device and output signal. It also has XT versions of standard modules for operating in extreme environments, reducing panel and maintenance costs. It has a 0 - 55 ° C (32 - 131 ° F) operating temperature and 5 - 95% noncondensing relative humidity.

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