

Allen-Bradley 1794-OW8

The Allen-Bradley 1794-OW8 is a Flex IO relay output module. This module features Eight (8) Form A or Normally Open (N.O.) isolated electromechanical relays. isolated output channels with output voltage range of 74-132VAC. The relay contacts are rated 250V AC, 2 A, 50/60Hz, Resistive; 120/240V AC, 50/60Hz, 1800V A Make, 180V A Break; 5...30V DC, 2 A, Resistive. This module is

Technical specifications for 1794-OW8

Manufacturer Rockwell Automation

Flexbus Current 5V DC, 35 mA

Minimum Contact Load 100 μ A @ 100 mV DC

Part Number/Catalog No. 1794-OW8

Brand Allen-Bradley

Product Description: Flex IO relay Output Module

Number of Outputs: Eight, isolated

Terminal base: 1794-TB2, 1794-TB3, 1794-TB3S, 1794-TBN and 1794- TBNF

Supply Voltage: 24V DC, 125 mA

Relay Contact rating: 250V AC, 2 A, 50/60Hz, Resistive; 120/240V AC, 50/60Hz, 1800V A Make, 180V A Break; 5...30V DC, 2 A, Resistive;

Pilot Duty Rating R150, 5...30V DC, 28V A not to exceed 1 A below 28V DC

Indicators: 8 Yellow status indicators

Keyswitch position 9

Enclosure Open-type

Mounting: DIN Rail

Wire Size: Determined by installed terminal base

Operating Temperature: 0 to 55 C (32 to 131 F)

Storage Temperature: -40 to 85 C (-40 to 185 F)

Vibration: 5g @ 10 to 500 Hz

Operating Shock: 30 g

Product Type Flex I/O Relay Output Module

Outputs 8 Relay

Off-state Leakage Current 1.0mA through Snubber Circuit

Relay Contact 250 Volts AC

Initial Contact Resistance 30 m

Bounce Time 1.2 milliseconds

Switching Frequency 1 operation/3 s (0.3Hz at rated load) max

Power Dissipation 5.5 Watts

Thermal Dissipation 18.8 BTU/hour at maximum

UPC 10662468112298

UNSPSC 32151602 Description

The Allen-Bradley 1794-OW8 is a Relay output module that is part of the Flex I/O product family.

You can contact us through the following contact information

www.sparetechplc.com +86 180 3000 5825 sales@sparetechplc.com

This module primarily features Eight (8) isolated Normally Open (N.O.) electromechanical relay that are rated 250V AC, 2 A, 50/60Hz for resistive load; 120/240V AC, 50/60Hz, 1800V A Make, 180V A Break; 5...30V DC, 2 A, Resistive;

The 1794-OW8 is used with 1794-TB2, 1794-TB3, 1794-TB3S, 1794-TBN and 1794-TBNF terminal base units. If 1794-TBNF is used, use a 3.0 Ampere, 250VAC slow-blow fuse or the Allen-Bradley recommended fuse Littelfuse with part. number 239003. This module has a off-state leakage current of 1.0 mA through snubber circuit with minimum contact load rating of 100 μ A @ 100 mV DC. It has a pilot duty rating of R150, 5...30V DC, 28V A not to exceed 1 A below 28V DC.

The 1794-OW8 is compatible for use any any Flex I/O communication adapters as well as with FlexBus controllers. This module has a current draw of 5V DC, 35 mA with supply voltage rating of 24V DC, 125 mA. The relay output channels has a maximum of signal delay 10 ms for both signal transitions while the initial contact resistance is 30 m Ω , switching frequency of 1 operation every 3 s or 0.3Hz at rated load and contact mean bounce time of 1.2 ms. Additionally, each output contact has an expected contact life of 100,000 operations, min @ rated loads.

The 1794-OW8 is installed with Eight (8) yellow status indicators, One for each channel and has a keyswitch position of 9 when mounting to the terminal base.

Use only +24 Volts DC power for the 1794-OW8's power terminals because variations in relay switching time of the outputs may cause one of the relays to momentarily switch the total load current. The entire module measures 1.8 x 3.7 x 2.1 inches. It is compatible with several terminal base units, namely the 1794-TB3, 1794-TB2, 1794-TBN, 1794-TB3S, 1794-TB3K, 1794-TBNF, 1794-TBNKF, and the 1794-TB3SK. It also has a mechanical life of 100,000 operations at rated loads. The resistive relay output current ratings of the 1794-OW8 are 2 Amps at 5 to 30 Volts DC, 0.22 Amps at 125 Volts DC, and 2 Amps for 125 Volts DC and 250 Volts DC. The module also has a continuous isolation voltage of 250 Volts for relay to another relay, to the backplane, and to the power, and 50 Volts for power to the backplane. The external DC supply voltage range of this module is 19.2 to 31.2 Volts DC and it includes the 5% AC ripple and a nominal external DC supply current of 125 mA. It has a maximum off-state leakage current of 1 mA at 240 Volts AC through a snubber. The 1794-OW8's initial contact resistance is 30 M Ω and its minimum contact load is 100 μ A at 100 mV DC. It also has a maximum power dissipation of 5.5 Watts and a maximum thermal dissipation of 18.8 BTU/hour, both at 31.2 Volts DC. The maximum output delay time for both the OFF to ON and the ON to OFF states are 10 milliseconds.

You can contact us through the following contact information

www.sparetechplc.com +86 180 3000 5825 sales@sparetechplc.com