Allen-Bradley 1746 1747 Series Service Manual

1762-OB8

1. Description

The 1762-OB8 is an Allen-Bradley MicroLogix 8-Point Digital DC Output Module. This module has an operating voltage range of 20.4 to 26.4 Volts DC. Technical specifications for 1762-OB8

2. Specifications

Specification	Value
Manufacturer	**Rockwell Automation**
Brand	**Allen-Bradley**
Part	**Number/Catalog No. 1762-OB8**
Series	**MicroLogix 1200**
Product	**Type Solid-State Expansion Module**
Operating	**Voltage Range 20.4-26.4V DC**
Outputs	**8**
Voltage	**Category 24V DC**
Mounting	**DIN Rail**
Backplane	**Current 115 mA at 5 Volts**
UPC	**10611320152118**
UNSPSC	**32151601 Description**
The	**Allen-Bradley 1762-OB8 MicroLogix 8-Point Digital DC Output Module is a solid-state expansion output module in the Allen-Bradley MicroLogix 1200 Expansion I/O modules series, which provides extra 8-point expansion outputs for the MicroLogix 1200 controller. The 1762-OB8 has 8 digital 24 Volts DC sourcing outputs with a 20.4 Volts DC to 26.4 Volts DC operating voltage range, and it draws a 115 mA backplane current at 5 Volts DC. It has a maximum signal delay time of 0.1 milliseconds in the ON-state, and of 1.0 milliseconds in the OFF-state at a resistive load, and it has 1.0 Volts DC maximum ON-state voltage.**

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It has a maximum ON/OFF state leakage current of 1.0 mA, and it has a 0.5A maximum current load on each point, with an aggregate 4A per module. It has a 2A intermittent current surge, which lasts for a period of 10ms, and which is repeatable every 2 seconds, and it has a maximum power supply distance of 6 module lengths. The 1762-OB8 has voltage isolation between outputs that is known as the group to backplane isolation, tested at 1200 Volts AC or 1697 Volts DC for 1 second, and it has an operational power dissipation of 1.6 Watts. Its functioning temperature range is 0 to 55 degrees Celsius (32 to 131 degrees Fahrenheit) at a non-condensing 5 to 95% relative humidity, and it is stored at a -40 to 85 degrees Celsius (-40 to 185 degrees Fahrenheit) temperature range. The 1762-OB8 is built to operate optimally at a maximum height of 6561feet, and it is built to resist a 30G shock and 5G vibration at 500 Hertz. Its total shipping dimensions are 90 x 87 x 40.4 millimeters, with an average weight of 210 grams, and it is UL, c-UL, and CE certified.