

Allen-Bradley 1746 1747 Series Service Manual

1762-OB32T

1. Description

The Allen-Bradley 1762-OB32T is a MicroLogix high-density Solid-state output module. This module features Thirty-Two (32) channels in Two (2) isolated output groups of Sixteen (16) channels each group. It delivers an output voltage range of 10.2-26.4 VDC with nominal output of 24VDC. It has module has isolation rating of 1200V AC for 2 s or 1697V DC for 2 s. This module support source wiring Technical specifications for 1762-OB32T

2. Specifications

Specification	Value
Manufacturer	Rockwell Automation
Part	Number/Catalog No. 1762-OB32T
Series	MicroLogix
Brand	Allen-Bradley
Module	Type Solid State output module
No.	of Outputs Thirty-Two (32) outputs
No.	of groups Two (2) Output groups
Channels	per group: Sixteen (16) channels
Nominal	Output voltage 24VDC
Output	voltage range 10.2-26.4 VDC
Output	current rating per channel 0.5 A @ 60 °C (140 °F)
Output	current rating per group 2.0 A @ 60 °C (140 °F)
Output	current rating per module 4.0 A @ 60 °C (140 °F)
Surge	current 2.0 A (Repeatable every 2 s @ 60 °C (140 °F) for 10 ms
Minimum	On-state current 1 mA
Product	Type Source Output Module
Outputs	32
Input	Power 24V DC
Operating	Voltage Range 10.2-26.4V DC
Heat	Dissipation 3.4 Watts
Wire	Size 22, 24, and 26 AWG
UPC	1061250034502 Description
The	Allen-Bradley 1762-OB32T is a MicroLogix controller compatible module. This module features Thirty-Two (32) solid-state output channels that delivers a nominal output voltage of 24VDC and output voltage range of 10.

3. Product Information

The Allen-Bradley 1762-OB32T is a MicroLogix high-density Solid-state output module. This module features Thirty-Two (32) channels in Two (2) isolated output groups of Sixteen (16) channels each group. It delivers an output voltage range of 10.2-26.4 VDC with nominal output of 24VDC. It has module has isolation rating of 1200V AC for 2 s or 1697V DC for 2 s.

This module support source wiring Technical specifications for 1762-OB32T

Manufacturer Rockwell Automation

Part Number/Catalog No. 1762-OB32T

Series MicroLogix

Brand Allen-Bradley

Module Type Solid State output module

No. of Outputs Thirty-Two (32) outputs

No. of groups Two (2) Output groups

Channels per group: Sixteen (16) channels

Nominal Output voltage 24VDC

Output voltage range 10.2-26.4 VDC

Output current rating per channel 0.5 A @ 60 °C (140 °F)

Output current rating per group 2.0 A @ 60 °C (140 °F)

Output current rating per module 4.0 A @ 60 °C (140 °F)

Surge current 2.0 A (Repeatable every 2 s @ 60 °C (140 °F) for 10 ms

Minimum On-state current 1 mA

Product Type Source Output Module

Outputs 32

Input Power 24V DC

Operating Voltage Range 10.2-26.4V DC

Heat Dissipation 3.4 Watts

Wire Size 22, 24, and 26 AWG

UPC 10612598849922 Description

The Allen-Bradley 1762-OB32T is a MicroLogix controller compatible module. This module features Thirty-Two (32) solid-state output channels that delivers a nominal output voltage of 24VDC and output voltage range of 10.2-26.4 VDC. This module can be used to energize electrical loads as well as AC loads with interposing circuitry in between. Typical electrical loads wired to this module are Indicating lights, sounding devices, solenoid actuated devices and small DC motors.

The 1762-OB32T comes with individually isolated output groups. It has Two (2) output groups which is composed of Sixteen (16) channels per group. The module has an isolation rating of 1200V AC for 2 s or 1697V DC for 2 s and 157V DC working voltage based on 157V class 2 reinforced insulation. The module's signal delay is identified at 0.5 ms turn On delay and 4.0 ms Turn-off delay for resistive loads. It has a maximum Off-state leakage current of 0.1 mA @ 26.4V DC and On-state voltage drop of 0.3V DC @ 0.5 A. The module's maximum Continuous current per point is 0.5 A @ 60 °C (140 °F) while the maximum Continuous current per common is 2.0 A @ 60 °C (140 °F). The module's maximum continuous output current per module is 4.0 A @ 60 °C (140 °F). The module's surge current is rated at 2.0 A which is Repeatable every 2 s @ 60 °C (140 °F) for 10 ms. The module's minimum load current is 1 mA.

The continuous current per point, common, and module are all different. At 60 degrees Celsius, those continuous currents are 0.5 Amps, 2 Amps, and 4 Amps. The maximum surge current of the 1762-OB32T is 2.0 Amps (repeatable every 2 s at 60 degrees Celsius (140 degrees Fahrenheit) for 10 milliseconds). The 1762-OB32T is designed to be used in a Pollution Degree 2 industrial environment at altitudes as high as 6562 feet without derating. The 1762-OB32T must be mounted in an enclosure designed to prevent injury. The enclosure must have flame-retardant properties to minimize the spread of fire, complying with a flame spread rating of 5VA, V2, V1, V0 (or equivalent) if non-metallic. The interior of the 1762-OB32T's enclosure is accessible only by a tool.

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