

Allen-Bradley 1746 1747 Series Service Manual

1762-IQ8OW6

1. Description

The Allen-Bradley 1762-IQ8OW6 is a MicroLogix 1200 combination I/O module. This module features Eight (8) sink / source input channels that accepts 10...30V DC @ 30 °C (86 °F) and 10...26.4V DC @ 65 °C (149 °F) input voltage range. It also has Six (6) Form A relay output channels with operating voltage range of 5-265VAC and 5-125V DC. This module is compatible for use with MicroLogix 1100, Technical specifications for 1762-IQ8OW6

2. Specifications

Specification	Value
Manufacturer	Rockwell Automation
Part	Number/Catalog No. 1762-IQ8OW6
Brand	Allen-Bradley
Series	MicroLogix
Module	Type Combination I/O module
No.	of Inputs Eight (8) inputs
No.	of groups Two (2) input groups
Channels	per group: Four (4) channels
Nominal	input voltage 24VDC
Input	voltage range 10-30 VDC
No.	of outputs Six (6) relay outputs
Contact	form: Normally Open (N.O.)
Output	operating voltage: 5...265V AC; 5...125V DC
Output	contact rating: 2.5 A for 240VAC / 120VAC; 1.0 A for 125VDC and 2.0 A for 24VDC
Output	module rating: 0.333333333
Input	Power 24V DC
Inputs	(8) Sink and Source
Operating	Voltage Range 10-30V DC
UPC	10662074399076 Description
The	Allen-Bradley 1762-IQ8OW6 is a MicroLogix combination I/O module. This module features Eight (8) 24VDC rated sink / source input channels and Six (6) Form A or Normally Open (N.O.) relay output modules that can be operated at 5-265VAC and 5-125VDC voltage range.

3. Product Information

The Allen-Bradley 1762-IQ8OW6 is a MicroLogix 1200 combination I/O module. This module features Eight (8) sink / source input channels that accepts 10...30V DC @ 30 °C (86 °F) and 10...26.4V DC @ 65 °C (149 °F) input voltage range. It also has Six (6) Form A relay output channels with operating voltage range of 5-265VAC and 5-125V DC. This module is compatible for use with MicroLogix 1100, Technical specifications for 1762-IQ8OW6

Manufacturer Rockwell Automation

Part Number/Catalog No. 1762-IQ8OW6

Brand Allen-Bradley

Series MicroLogix

Module Type Combination I/O module

No. of Inputs Eight (8) inputs

No. of groups Two (2) input groups

Channels per group: Four (4) channels

Nominal input voltage 24VDC

Input voltage range 10-30 VDC

No. of outputs Six (6) relay outputs

Contact form: Normally Open (N.O.)

Output operating voltage: 5...265V AC; 5...125V DC

Output contact rating: 2.5 A for 240VAC / 120VAC; 1.0 A for 125VDC and 2.0 A for 24VDC

Output module rating: 0.333333333

Input Power 24V DC

Inputs (8) Sink and Source

Operating Voltage Range 10-30V DC

UPC 10662074399076 Description

The Allen-Bradley 1762-IQ8OW6 is a MicroLogix combination I/O module. This module features Eight (8) 24VDC rated sink / source input channels and Six (6) Form A or Normally Open (N.O.) relay output modules that can be operated at 5-265VAC and 5-125VDC voltage range.

This module has a power supply distance rating of Six (6) modules which means that module cannot be installed more than 6 slots away from the power supply. Additionally, this module has a backplane current draw of 110 mA @ 5V DC and 80 mA @ 24V DC with heat dissipation of 5.0 W @ 30V and DC 4.4 W @ 26.4V DC.

The 1762-IQ8OW6 features Three (3) I/O groups. Group 1 is composed of input 0-3; Inputs 4-7 for Group 2 while Group 3 is composed of all the output channels. This module has physical dimension of 90 x 40.4 x 87 (3.54 x 1.59 x 3.43 in.) height including mounting tabs is 110 mm (4.33in.) and weighs approximately 280g (0.62 lbs.).

The input channels has a minimum On-state voltage of 10VDC and maximum Off state voltage of 5VDC. Each channel has a rated signal delay of 8 ms for both ON to OFF and OFF to ON transitions. The Normally Open (N.O.) output channels has switching delay of 10 ms for both ON and OFF transitions. The module's continuous dc current per point depends on the operating voltage specifically, 2.5 A for 240VAC / 120VAC; 1.0 A for 125VDC and 2.0 A for 24VDC while the module's maximum current per module is 8 A.

The 1762-IQ8OW6 weighs around 0.62 pounds. The 1762-IQ8OW6 cannot be placed more than 6 modules away from the main power supply. Its minimum on-state voltage is 10 Volts DC while its on-state current is 10 mA at 5 Volts DC. Its AC/DC outputs are normally open relay outputs with an operating voltage range of 5 to 265 Volts AC and 5 to 125 Volts DC. The output specifications include a maximum signal delay with a resistive load is 10 milliseconds for the on-delay and the maximum delay is 10 milliseconds for the off-delay. The 1762-IQ8OW6's maximum off-state output leakage is 0 mA and its minimum output on-state current is 10 mA. The module's maximum continuous current per common and per module are both 8 A. For the 1762-IQ8OW6's relay contact ratings, the maximum voltage is 240 Volts AC and the maximum continuous Amperes are 2.5 A.