

Allen-Bradley 1756 Series Service Manual

1756-OG16

1. Description

Allen Bradley ControlLogix Digital DC Ouptut Module with 16-Point Outputs Technical specifications for 1756-OG16

2. Specifications

Specification	Value
Manufacturer	Rockwell Automation
Brand	Allen-Bradley
Part	Number/Catalog No. 1756-OG16
Series	ControlLogix
Module	Type Digital DC Ouptut Module
Outputs	16-Point
Voltage	5 Volts DC with TTL Source
Operating	Voltage Range 4.5-5.5 Volts DC
Maximum	Output Current Rating-Point 24 milliamps at 60 Celsius
Maximum	Output Current Rating-Module 384 milliamps at 60 Celsius
Power	Dissipation (Max) 1.5 Watts at 60 Celsius
Backplane	Current at 5 Volts 210 milliamps
Removeable	Terminal Block(s) 1756-TBNH, 1756-TBSH
Isolation	Voltage 50 Volts Continuous
Enclosure	None Description
The	1756-OG16 ControlLogix Transistor-Transistor Logic Output Module by Allen-Bradley is a DC digital output module installed in the ControlLogix chassis with sixteen 5V DC Low/True TTL outputs. Its operational voltage range is between 4.5 and 5.5V DC and it has a load-dependent signal delay time of 450µs for OFF to ON and one of 700µs for ON to OFF. The 1756-OG16 has a backplane draw current of 210mA at 5.1V DC and of 2mA a

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Backplane Current at 5 Volts 210 milliamps

Removeable Terminal Block(s) 1756-TBNH, 1756-TBSH

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Enclosure None Description

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The 1756-OG16’s maximum current (I) load—i.e. on each and every point—is 24 mA. Plus, the unit’s total current load is 384 mA. The 1756-OG16’s maximum scheduled time is 16.7 seconds. When fully operational, the unit’s thermal dissipation is 5.2 BTU per hour at 60 degrees Celsius. The power dissipation of this Allen-Bradley module is 1.5 Watts (W). The 1756-OG16 comes with a powerful factory-based T5 temperature code (i.e. for European as well as North American countries). The module’s functional temperature range is 0 to 60 degrees Celsius at 5 to 95% humidity without condensation. With a 30G operational shock rating at a frequency of 10 to 500 Hertz, this module can operate in virtually all industrial settings—including extreme environments. Also, the 1756-OG16 is CE as well as UL certified. Plus, the module comes with a CISPR 11 (i.e. Class A Emission-based rating).

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