

Allen-Bradley 1756 Series Service Manual

1756-PA75RK

1. Description

Allen Bradley ControlLogix Redundant AC Power Supply Module with 120-220 Volts AC Input Voltage

2. Specifications

Specification	Value
Manufacturer	Rockwell Automation
Brand	Allen-Bradley
Part	Number/Catalog No. 1756-PA75RK
Series	ControlLogix
Module	Type Redundant AC Power Supply Module
Input	Voltage 120-220 Volts AC
Voltage	Range 85-265 Volts AC
Input	Power 115 Watts
Input	Frequency 47-63 Hertz
Power	Output 75 Watts at 60 Celsius
Chassis	Series B
Location	Panel Mounted
Weight	3.2 pounds (1.45 kilograms)
Dimensions	6.9 x 5.7 x 5.4 inches
Operating	Temperature 32-140 Fahrenheit (0-60 Celsius)
Enclosure	None The Allen-Bradley/Rockwell Automation 1756-PA75R is a Redundant AC Power Supply module from the ControlLogix line of products. The panel-mount module comes with a chassis from Series B, which is automated and has the ability to share loads between power supplies that produce excessive amounts of power. Despite this ability, this power supply system is engineered to resolve operational faults in the power supply only. The dimensions (height x weight x depth) of the module are approximately 17.5 x 14.5 x 13.7 centime

3. Product Information

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Technical specifications for 1756-PA75RK

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Series ControlLogix

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Both the annunciator and conductor of 1756-PA75R are made of a copper wire, solid or stranded, with the annunciator having a Category 3 wire, and the conductor a Category 1 wire. The conductor wire is 2.5 square millimeters (14 AWG) rated at 90 degrees Celsius (194 degrees Fahrenheit), and it has a maximum insulation of 1.2 millimeters (0.047 inches). The annunciator wire can be thinner, and it may range between 0.25 and 2.5 square millimeters (22 to 14 AWG) rated at 90 degrees Celsius (194 degrees Fahrenheit). The annunciator is not rated in terms of duty rating, and the conductor screw torque amounts to 0.79 N-m (7 pounds per inch). This module is highly durable, and it can withstand temperatures as high as 60 degrees Celsius (140 degrees Fahrenheit). The IEC / CISPR Publications 11 state that this module is Class 1, Class A Appliance. However, the user needs to bear in mind that radiation and disruption may cause difficulties in achieving electromagnetic compatibility.