

Allen-Bradley 1756-L55M12 Manual

Brand	Allen-Bradley
Product Series	1756
Product Type	Processor Module

Description

Mfr. Part Number:

1756-L55M12

Manufacturer: Allen-Bradley / Rockwell Automation

Description: Allen-Bradley 1756-L55M12 Logix5555 Processor, 750KB Memory

Full Description: Allen-Bradley 1756-L55M12 ControlLogix Logix 5555 Controller, 750 Kbytes User Memory, 208 Kbytes I/O Memory
Allen Bradley ControlLogix Processor Module with 750 Kilobytes RAM and 128000 Maximum I-O Technical specifications for 1756-L55M12

Manufacturer Rockwell Automation

Brand Allen-Bradley

Part Number/Catalog No. 1756-L55M12

Series ControlLogix

Module Type Processor Module

RAM 750 Kilobytes

Maximum I-O 128,000

Maximum Analog I-O 4,000 Input, 2,000 Output

Program Scan Time 0.08 milliseconds

Backplane Current (5Volts DC) 1.23 Amps

Backplane Current (24 Volts DC) 14 milliamps

Weight 0.78 pounds (0.35 kilograms)

Operating Temperature 32-140 Fahrenheit (0-60 Celsius)

Vibration 10-500 Hertz

Relative Humidity 5-95 percent

Battery 1756-BA1 or 1756-BATM

UPC 10612598286628 Description

The Allen-Bradley 1756-L55M12 is a ControlLogix 5555 controller. This particular controller has an available memory of 750 kbytes for data and logic. It also has an I/O memory of 208 kbytes but it does not have a nonvolatile memory. It weighs 0.35 kg or 12.5 oz and has an open style enclosure type rating.

It can support different modes of communication available in the system, such as ControlNet, EtherNet/IP, DH+, DeviceNet, and universal remote I/O networks.

The backplane current of the 1756-L55M12 controller is 1.23 A at 5.1V DC and 0.014 A at 24V DC. It has a power dissipation of 5.6W and a thermal dissipation of 19.1 BTU/hr. It has a conducted RF immunity of 10V rms with 1 kHz sine-wave 80% AM from 150 kHz to 80 MHz. It also has an isolation voltage of 30V, which is continuous and a basic insulation type. The 1756-L55M12 controller has been tested to withstand 707V DC for 60 s.

A lithium battery with category number 1756-BA1 and weighing 0.59 g is used by this battery. You should only order a replacement when needed. It has a wiring category of 2 on its communication ports and is compatible with either the 1756-CP3 or 1747-CP3 serial cables. This controller, together with other 1756-L55 controllers, can be used in a redundant controller system but they should be in a

ControlNet network.

It has an operating temperature between 0 to 60 Degrees Celsius and a storage temperature of -40 to 85 Degrees Celsius. It also has a relative humidity of 5% to 95% (noncondensing). The controller also has an operating shock of 30 g, a non-operating shock of 50 g, and a vibration of 2 g at 10 to 500 Hz.

Technical Specifications

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Maximum Analog I-O 4,000 Input, 2,000 Output

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Relative Humidity 5-95 percent

Battery 1756-BA1 or 1756-BA1W

UPC 10612598286628 Description

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