

Allen-Bradley 1756 Series Service Manual

1756-L83E-NSE

1. Description

The Allen-Bradley 1756-L83E-NSE Controller is a ControlLogix controller manufactured as part of ControlLogix 5580 Controller line of products. It supports 32 tasks and 1000 programs per task. Technical specifications for 1756-L83E-NSE

2. Specifications

Specification	Value
Brand	Allen-Bradley / Rockwell Automation
Series	ControlLogix
Part	Number 1756-L83E-NSE
Product	Type Controller
Product	Line ControlLogix 5580
Controller	Tasks 32
Programs	Per Task 1000
User	Memory 3 MB
Nonvolatile	Memory (Optional) 2 GB
Minimum	Current Draw 5 mA at 1.2V DC
Maximum	Current Draw 1.2 A at 5.1V DC
Controller	Type No Stored Energy Controller Description
The	1756-L83E-NSE Controller is an Allen-Bradley ControlLogix controller that is manufactured as a member of the ControlLogix 5580 Controller product family. These devices are engineered and intended to provide scalable controller solutions which can address the many input and output points in a system. This controller can be put into any of the slots of the ControlLogix I/O chassis and installed with different controllers in the same chassis. The Allen-Bradley 1756-L83E-NSE Controller helps to monitor and control inputs and outputs across the backplane of the ControlLogix system as well as over the network links. The Allen

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The Allen-Bradley 1756-L83E-NSE ControlLogix 5580 Controller has support for up to 32 controller tasks, 1000 programs per task, and unlimited support for all of the local input and output event triggers. Other notable features and benefits of this controller are the built-in USB port and an embedded Ethernet port. It also features other communication options like support for the Ethernet/IP, ControlNet, DeviceNet, Remote I/O, DH+, and SynchLink communication networks. It comes with a user memory capacity of 3 MB, and an optional nonvolatile memory capacity of 2 GB in a memory unit which is shipped pre-installed in the controller. The current draw of the Allen-Bradley 1756-L83E-NSE Controller is 5.0 milliamps at 1.2 Volts DC and 5.1 Volts DC at 1.2 Amps.