

Allen-Bradley 1756 Series Service Manual

1756-L82E-NSE

1. Description

The Allen-Bradley manufactures the 1756-L82E-NSE Controller as a member of the ControlLogix 5580 Controllers series. This device feature a user memory capacity of 3 MB and a nonvolatile memory capacity of 2 GB for storage. Technical specifications for 1756-L82E-NSE

2. Specifications

Specification	Value
Brand	Allen-Bradley / Rockwell Automation
Series	ControlLogix
Part	Number 1756-L82E-NSE
Product	Type Controller
Product	Line ControlLogix 5580
Controller	Tasks 32
Programs	per task 1000
Minimum	Current Draw 5 mA at 1.2V DC
Maximum	Current Draw 1.2 A at 5.1V DC
User	Memory 3 MB
Optional	Nonvolatile Memory 2 GB
Thermal	Dissipation 21.2 BTU/hour Description
The	1756-L82E-NSE Controller is an industrial controller manufactured by Allen-Bradley as part of the ControlLogix 5580 Controller series. It has a user memory capacity of 3 MB and an optional nonvolatile memory storage capacity of 2 GB. This controller has a non-removable embedded energy storage module. The current draw of this controller at 5.1 Volts DC is 1.2 Amps, and it is 5 milliamps at 1.2 Volts DC. It has a thermal dissipation rating of 21.2 BTU per hour with an isolation voltage rating of 50 Volts continuous for the basic insulation type, the Ethernet port to the backplane, the USB port to the backplane, and the USB port to th

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The Allen-Bradley 1756-L82E-NSE ControlLogix Controller comes with a variety of features and benefits including a maximum operating shock rating of 30 g and a maximum non-operating shock rating of 30 g. Other notable features include 32 supported controller tasks, 1000 supported programs per task, and unlimited local I/O event triggers. It comes with integral communication ports including 1 USB port and an embedded Ethernet port. Other communication options for the 1756-L82E-NSE Controller include the SynchLink, Remote I/O, DeviceNet, ControlNet, EtherNet, Data Highway Plus, and third-party process and device networks. This controller also supports different programming languages such as the Function Block Diagram, Structured Text, Relay Ladder Logic, and the Sequential Function Chart programming language.