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01 Readiness and operating boundary

Allen-Bradley 1756-L61 Series B is a ControlLogix 5561 controller with 2 MB of user memory, 478 KB of I/O memory and optional CompactFlash nonvolatile storage.

Confirm exact identity

Confirm both the 1756-L61 catalog number and Series B marking before work.

Catalog number	1756-L61
Hardware series	B
Controller family	ControlLogix 5560

Establish the safe work boundary

Back up the controller project, tag values and communication settings before isolation.

Identity	1756-L61 B
Host	ControlLogix 5560
Acceptance	Diagnostics and functional response

PAGE TRACE	REQUIRED ENTRY
Inspector	_____
Result	Pass / hold / corrective action
Record	Date, diagnostic state and release reference

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1756-L61 B

2 02 Configuration and interface setup

Allen-Bradley 1756-L61 Series B executes Logix 5000 control tasks in a ControlLogix chassis while retaining the project, slot identity, firmware baseline and installed communication paths of the engineered system.

Record the as-found configuration

Record the chassis slot, module keying, firmware revision and network node assignments.

Hardware series	B
Controller family	ControlLogix 5560
Controller designation	ControlLogix 5561

Map connections and settings

Place outputs and connected machinery in the approved maintenance state.

Identity	1756-L61 B
Host	ControlLogix 5560
Acceptance	Diagnostics and functional response

PAGE TRACE	REQUIRED ENTRY
Inspector	_____
Result	Pass / hold / corrective action
Record	Date, diagnostic state and release reference

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3 03 Installation and service sequence

Allen-Bradley 1756-L61 Series B executes Logix 5000 control tasks in a ControlLogix chassis while retaining the project, slot identity, firmware baseline and installed communication paths of the engineered system.

Restore the documented assembly

Verify firmware 13.40 or later and compatible programming software before download.

Controller family	ControlLogix 5560
Controller designation	ControlLogix 5561
User memory	2 MB

Protect every interface

Inspect and preserve any installed CompactFlash card and its accepted contents.

Identity	1756-L61 B
Host	ControlLogix 5560
Acceptance	Diagnostics and functional response

PAGE TRACE	REQUIRED ENTRY
Inspector	_____
Result	Pass / hold / corrective action
Record	Date, diagnostic state and release reference

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04 Verification and fault isolation

Allen-Bradley 1756-L61 Series B executes Logix 5000 control tasks in a ControlLogix chassis while retaining the project, slot identity, firmware baseline and installed communication paths of the engineered system.

Verify the installed function

Restore the project with outputs inhibited and review controller and I/O diagnostics.

Controller designation	ControlLogix 5561
User memory	2 MB
I/O memory	478 KB

Isolate unexpected response

Complete the controlled I/O and machine functional test before service release.

Identity	1756-L61 B
Host	ControlLogix 5560
Acceptance	Diagnostics and functional response

PAGE TRACE	REQUIRED ENTRY
Inspector	_____
Result	Pass / hold / corrective action
Record	Date, diagnostic state and release reference

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5 05 Acceptance and service handover

Allen-Bradley 1756-L61 Series B executes Logix 5000 control tasks in a ControlLogix chassis while retaining the project, slot identity, firmware baseline and installed communication paths of the engineered system.

Complete the release record

Confirm both the 1756-L61 catalog number and Series B marking before work.

Catalog number	1756-L61
Hardware series	B
Controller family	ControlLogix 5560

Retain acceptance evidence

Back up the controller project, tag values and communication settings before isolation.

Identity	1756-L61 B
Host	ControlLogix 5560
Acceptance	Diagnostics and functional response

Allen-Bradley 1756-OF8 ControlLogix analog output module

Allen-Bradley 1756-IF8 ControlLogix analog input module

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