

Installation Identity and Scope

Reliance Electric 57C443A is an AutoMax A-B Remote I/O Scanner module with scanner and adapter operating modes. It connects an AutoMax rack to approved Allen-Bradley remote I/O devices through the documented remote I/O link.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	57C443A
Manufacturer	Reliance Electric
Hardware role	Remote I/O Scanner
System family	AutoMax

Controlled engineering copy

Preserve the existing 57C443A product image and user-entered commercial fields. Verify the AutoMax rack, scanner or adapter mode, remote racks, baud rate, addressing and application configuration before service.

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Pre-Installation Plan

NO.	REQUIRED ACTION
1	Verify the complete 57C443A marking and installed firmware record.
2	Confirm whether the application uses scanner or adapter mode.
3	Record the remote rack, rack size, starting group and addressing method.
4	Preserve baud rate, cable, termination and network topology.
5	Do not enable complementary addressing; it is not supported.
6	Back up the AutoMax Programming Executive application and I/O definitions.
7	Verify every configured block-transfer request and target module.
8	Complete remote-rack, discrete, analog, diagnostic and fail-state tests before release.

Before Energization

CONTROL	REQUIRED RECORD
Identity	Complete 57C443A marking and hardware role
Connections	Approved power, grounding and protocol interfaces
Configuration	Controlled backup, addressing and protocol files
Test plan	Defined acceptance values and controlled restart authority

Release hold point

Do not disturb the installed device until exact marking, interfaces, companion hardware and configured function are documented.

Wiring, Network and Configuration Checks

CHECK	MODEL-SPECIFIC REQUIREMENT
Function	A-B Remote I/O scanner with adapter mode
Operating modes	Scanner or adapter
Remote I/O racks in scanner mode	Up to 32
Supported rates	57.6, 115.2 and 230.4 kbit/s
Addressing	1/2-slot, 1-slot or 2-slot
Complementary addressing	Not supported
Rack sizes	Quarter, half, three-quarter or full rack
Discrete I/O	Supported

Configuration boundary

Preserve the existing 57C443A product image and user-entered commercial fields. Verify the AutoMax rack, scanner or adapter mode, remote racks, baud rate, addressing and application configuration before service.

Expected Technical Values

PARAMETER	VALUE
Analog I/O	Supported through documented block transfers
Block transfers	Up to 48
Adapter requests	Up to 48 block read or write requests
Cable type	Allen-Bradley 1770-CD or Belden 9463 twinaxial

Additional Official Data

PARAMETER	VALUE
Backplane interface	Dual-port memory
Backplane current	0.65 A at 5 V

Commissioning and Acceptance

TEST	ACCEPTANCE CONDITION
Identity	Manufacturer and complete 57C443A marking match the record.
Power	Measured supply agrees with the documented operating requirement.
Interface	Connectors, addressing and network parameters match the approved project.
Configuration	Protocol files, framing and mapped data areas match the controlled backup.
Diagnostics	No unexplained status, counter or communication fault remains.
Functional proof	Controlled bidirectional data transfer completes successfully.
Release	Final values and test results are retained with restart approval.

Questions to Resolve

QUESTION	ENGINEERING ANSWER
What is Reliance Electric 57C443A?	57C443A is an AutoMax A-B Remote I/O Scanner module with scanner and adapter modes.
How many remote racks can Reliance Electric 57C443A scan?	The scanner mode supports up to 32 A-B remote I/O racks.

Related Products

MODEL	APTER POWER PAGE
ProSoft 5201-DFNT-EGD	View ProSoft 5201-DFNT-EGD
ProSoft PLX31-EIP-MBS	View ProSoft PLX31-EIP-MBS
Allen-Bradley 1771-SDN	View Allen-Bradley 1771-SDN
Allen-Bradley 1784-KTCS	View Allen-Bradley 1784-KTCS

Source, Related Products and Release

MODEL	APTER POWER PAGE
Allen-Bradley 1747-SN	View Allen-Bradley 1747-SN
Allen-Bradley 1756-DHRIO	View Allen-Bradley 1756-DHRIO
Allen-Bradley 1756-IV32	View Allen-Bradley 1756-IV32
Allen-Bradley 1756-OA16	View Allen-Bradley 1756-OA16

MANUFACTURER SOURCE RECORDS

1. Reliance Electric AutoMax Control Products Catalog, A-B Remote I/O Scanner Module section
2. Reliance Electric 57C443A selection and application data

Controlled Release Summary

RELEASE ITEM	REQUIRED EVIDENCE
Identity	57C443A recorded
Interface	Connections and companion hardware verified
Configuration	Installed values agree with approved record
Functional proof	Controlled test completed without unexplained fault

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