

Installation Identity and Scope

Allen-Bradley 1769-IQ32T is a single-wide Compact I/O module with 32 terminated 24 VDC sink/source inputs. The inputs are arranged as four isolated groups of eight points.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	1769-IQ32T
Manufacturer	Allen-Bradley
Hardware type	Compact 32-Point DC Input Module
System family	Bulletin 1769 Compact I/O
Official source	1769-TD006H-EN-P, 1769-IQ32T technical specifications

CONTROLLED ENGINEERING COPY

Use only the complete Allen-Bradley 1769-IQ32T identity and the current manufacturer documentation. Verify the installed revision, companion hardware, wiring and saved configuration before replacement or release.

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1769-IQ32T

Pre-Installation Plan

NO.	REQUIRED ACTION
1	Verify the complete 1769-IQ32T catalog number and series.
2	Remove field power and Compact Bus power before insertion or removal.
3	Confirm 20.4 to 26.4 VDC field supply for the installed temperature condition.
4	Preserve the four input-group common connections and sink/source polarity.
5	Label all 32 input circuits before disconnection.

Matched Hardware

CONTROL ITEM	REQUIRED RECORD
Identity	1769-IQ32T
Physical interface	Exact Allen-Bradley 1769-IQ32T nameplate and installed revision
Companion check	Documented Compact 32-Point DC Input Module system position and companion hardware
Configuration	Labeled field, power, communication and grounding connections
Functional proof	Saved configuration plus a controlled functional-test record

Related Products on Apter Power

MODEL	APTER POWER PAGE
Allen Bradley 1336-QOUT-SP19A	View Allen Bradley 1336-QOUT-SP19A
Allen Bradley 1336T-LM1EN	View Allen Bradley 1336T-LM1EN
Allen Bradley 1336T-LM1EN-74103-015-52A-297346	View Allen Bradley 1336T-LM1EN-74103-015-52A-297346
Allen Bradley 1361-NO61-2-5	View Allen Bradley 1361-NO61-2-5
Allen Bradley 1426-M5E-DNT	View Allen Bradley 1426-M5E-DNT

Wiring and Interface Checks

CHECK	MODEL-SPECIFIC REQUIREMENT
Identity	Record Allen-Bradley 1769-IQ32T and the installed revision exactly.
I/O family	Verify the documented value: Bulletin 1769 Compact I/O.
Input points	Verify the documented value: 32 terminated, 8 points per group.
Connections	Label every installed interface, common, shield and protective-ground connection.
Configuration	Back up and restore the model-specific settings, mappings and approved limits.
Functional proof	Test the complete Compact 32-Point DC Input Module function under a controlled maintenance state.

CONFIGURATION BOUNDARY

Use only the complete Allen-Bradley 1769-IQ32T identity and the current manufacturer documentation. Verify the installed revision, companion hardware, wiring and saved configuration before replacement or release.

Expected Technical Values

PARAMETER	VALUE
I/O family	Bulletin 1769 Compact I/O
Input points	32 terminated, 8 points per group
Voltage category	24 VDC sink/source
Operating range	20.4 to 26.4 VDC at 60 °C

Related Products on Apter Power

MODEL	APTER POWER PAGE
Allen Bradley 1492-ACABLE010TB	View Allen Bradley 1492-ACABLE010TB
Allen Bradley 150-C30NBR	View Allen Bradley 150-C30NBR

Commissioning and Acceptance

TEST	ACCEPTANCE CONDITION
Identity	The complete 1769-IQ32T marking and revision agree with the engineering record.
Compatibility	System position, companion hardware and interfaces match the manufacturer documentation.
Configuration	Saved values, channel mappings and protection limits are restored without unexplained change.
Functional proof	Diagnostics and the model-specific controlled test pass without unexplained fault.

Model-Specific Questions

QUESTION	ENGINEERING ANSWER
What is Allen-Bradley 1769-IQ32T?	It is a single-wide Compact I/O module with 32 terminated 24 VDC sink/source inputs.
How are Allen-Bradley 1769-IQ32T inputs grouped?	The 32 points are divided into four isolated groups of eight inputs.
What field-voltage range applies to Allen-Bradley 1769-IQ32T?	Rockwell Automation specifies 20.4 to 26.4 VDC at 60 °C.
Which digital filters are available for Allen-Bradley 1769-IQ32T?	The module supports 0, 100 µs, 500 µs, 1 ms, 2 ms, 4 ms and 8 ms selections.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Allen Bradley 150-F135NBDB	View Allen Bradley 150-F135NBDB
Allen Bradley 1503VC-BMC4	View Allen Bradley 1503VC-BMC4
Allen Bradley 1503VC-BMC5	View Allen Bradley 1503VC-BMC5
Allen Bradley 1503VC-BMC5-MC1	View Allen Bradley 1503VC-BMC5-MC1
Allen Bradley 1715-TASOF8	View Allen Bradley 1715-TASOF8

FAQ, Source and Controlled Release

QUESTION	ENGINEERING ANSWER
What is the power-supply distance rating for Allen-Bradley 1769-IQ32T?	The published distance rating is 8 modules.
What must be preserved before replacing Allen-Bradley 1769-IQ32T?	Preserve the 32-point map, group commons, polarity, filter settings and controller configuration.
What confirms successful commissioning of Allen-Bradley 1769-IQ32T?	Correct indication and controller state for every enabled input, with no group wiring fault, confirm release.

MANUFACTURER SOURCE RECORDS

Rockwell Automation 1769 Compact I/O Modules Specifications - 1769-TD006H-EN-P, 1769-IQ32T technical specifications
Rockwell Automation 1769-IQ32T Installation Instructions - 1769-IN072A-EN-P

Controlled Release Summary

RELEASE ITEM	REQUIRED EVIDENCE
Identity	1769-IQ32T 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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