

INDUSTRIAL AUTOMATION PRODUCT

1769-IQ32T

Compact 32-Point DC Input Module

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.

IDENTITY	VERIFIED VALUE
Manufacturer	Allen-Bradley
Complete model	1769-IQ32T
Product role	Compact 32-Point DC Input Module
System family	Bulletin 1769 Compact I/O
Source record	1769-TD006H-EN-P, 1769-IQ32T technical specifications

DOCUMENT SCOPE

Model identity, official technical data, model-specific applications, precautions, FAQ and controlled acceptance records.

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1769-IQ32T

Technical Specifications

PARAMETER	VERIFIED 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
Bus current	170 mA at 5 VDC
Nominal impedance	5.6 kohm
Isolated groups	Four groups: inputs 0–7, 8–15, 16–23 and 24–31
Digital filter	Selectable 0, 100 µs, 500 µs, 1, 2, 4 or 8 ms
Power-supply distance rating	8

ENGINEERING 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.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Allen Bradley 1203-GD1	View Allen Bradley 1203-GD1
Allen Bradley 1203-GU6	View Allen Bradley 1203-GU6
Allen Bradley 1305-BA01A-HA2	View Allen Bradley 1305-BA01A-HA2
Allen Bradley 1305-BA03A	View Allen Bradley 1305-BA03A
Allen Bradley 1336-L4-42336-200-51	View Allen Bradley 1336-L4-42336-200-51
Allen Bradley 1336-PB-SP23C	View Allen Bradley 1336-PB-SP23C

System Role and Common Applications

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.

FUNCTION 1

Provides 32 terminated sink/source DC inputs

FUNCTION 2

Uses four isolated groups of eight points

FUNCTION 3

Supports selectable input filtering

FUNCTION 4

Fits a single-wide Bulletin 1769 module position

APPLICATION	ENGINEERING CONTEXT
High-density DC sensing	Collects 32 field-status signals in a Compact I/O system.
Machine interlocks	Maps 24 VDC limit, presence and permissive contacts to the controller.
Panel consolidation	Uses the terminated single-wide design to reduce cabinet wiring space.
Legacy I/O replacement	Restores an identical IQ32T channel map after wiring verification.

ACCEPTANCE DUTY

Confirm identity, interface, companion hardware, configured values and controlled functional response before release.

Engineering Precautions and FAQ

NO.	PRECAUTION
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.
6	Keep the module within the documented power-supply distance rating of 8.
7	Restore the configured input filters and controller channel map.
8	Test every enabled input and group-isolation arrangement before release.

QUESTION	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 1336-PB-SP5A	View Allen Bradley 1336-PB-SP5A
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

FAQ, Related Products and Official Sources

QUESTION	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.

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

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

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