

INDUSTRIAL AUTOMATION PRODUCT

1769-IM12

Compact 12-Point AC Input Module

Allen-Bradley 1769-IM12 is a Compact I/O module with 12 inputs for 200/240 VAC circuits. Its documented operating range is 159 to 265 VAC at 47 to 63 Hz.

IDENTITY	VERIFIED VALUE
Manufacturer	Allen-Bradley
Complete model	1769-IM12
Product role	Compact 12-Point AC Input Module
System family	Bulletin 1769 Compact I/O
Source record	1769-IN011B-EN-P, input specifications

DOCUMENT SCOPE

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

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1769-IM12

Technical Specifications

PARAMETER	VERIFIED VALUE
I/O family	Bulletin 1769 Compact I/O
Input points	12
Voltage category	200/240 VAC
Operating range	159 to 265 VAC, 47 to 63 Hz
Bus current	100 mA at 5 VDC
Signal delay	20 ms maximum on and off
Nominal impedance	27 kohm at 50 Hz; 23 kohm at 60 Hz
Input group	Inputs 0 to 11, commons internally connected
Power-supply distance rating	8
Isolation test	1836 VAC for 1 s or 2596 VDC for 1 s

ENGINEERING BOUNDARY

Use only the complete Allen-Bradley 1769-IM12 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-IM12 is a Compact I/O module with 12 inputs for 200/240 VAC circuits. Its documented operating range is 159 to 265 VAC at 47 to 63 Hz.

FUNCTION 1
Accepts twelve 200/240 VAC field inputs

FUNCTION 2
Operates across 159 to 265 VAC at 47 to 63 Hz

FUNCTION 3
Uses one internally commoned input group

FUNCTION 4
Fits the Bulletin 1769 Compact I/O architecture

APPLICATION	ENGINEERING CONTEXT
AC status sensing	Reads twelve line-voltage contacts in a Compact I/O system.
Motor-control feedback	Maps contactor, starter and permissive status to the controller.
Panel retrofit	Replaces an identical IM12 while preserving high-voltage terminal assignments.
Legacy machine control	Maintains a documented 240 VAC input channel map.

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-IM12 catalog number and series.
2	Isolate all 200/240 VAC field circuits and Compact Bus power before handling.
3	Confirm the field supply is within 159 to 265 VAC at 47 to 63 Hz.
4	Label all 12 input circuits and the internally commoned return.
5	Keep the module within the documented power-supply distance rating of 8.
6	Maintain separation between line-voltage and low-voltage wiring.
7	Restore the controller input map and debounce logic exactly.
8	Test every enabled input and isolation condition before release.

QUESTION	ANSWER
What is Allen-Bradley 1769-IM12?	It is a Bulletin 1769 Compact I/O module with 12 inputs for 200/240 VAC circuits.
What operating range applies to Allen-Bradley 1769-IM12?	The installation instructions specify 159 to 265 VAC at 47 to 63 Hz.
How are Allen-Bradley 1769-IM12 inputs grouped?	Inputs 0 through 11 form one input group with common terminals connected internally.
What signal delay is specified for Allen-Bradley 1769-IM12?	The maximum on-delay and off-delay are each 20 ms.

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-IM12?	The published distance rating is 8 modules.
What must be preserved before replacing Allen-Bradley 1769-IM12?	Preserve all twelve line-voltage assignments, common wiring, controller map and input logic.
What confirms successful commissioning of Allen-Bradley 1769-IM12?	Correct controller state for every energized and de-energized input, with normal isolation and no fault, confirms 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-IM12 Installation Instructions - 1769-IN011B-EN-P, input specifications
Rockwell Automation 1769 Compact I/O Modules Specifications - 1769-TD006H-EN-P

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