

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.

BRAND	Allen-Bradley	MODEL	1769-IM12
PRODUCT	Compact 12-Point AC Input Module	FAMILY	Bulletin 1769 Compact I/O
OFFICIAL SOURCE	Rockwell Automation 1769-IM12 Installation Instructions	RECORD	1769-IN011B-EN-P, input specifications

DOCUMENT SCOPE

Official technical evidence, controlled engineering checks, model-specific FAQ and related product navigation.

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Product Overview and Applications

SYSTEM FUNCTION

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.

Technical Data and Acceptance

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

Acceptance Path

1 IDENTITY

The complete 1769-IM12 marking and revision agree with the engineering record.

2 COMPATIBILITY

System position, companion hardware and interfaces match the manufacturer documentation.

3 CONFIGURATION

Saved values, channel mappings and protection limits are restored without unexplained change.

4 FUNCTIONAL PROOF

Diagnostics and the model-specific controlled test pass without unexplained fault.

Precautions and Model-Specific FAQ

NO.	PRECAUTION	QUESTION	ANSWER
1	Verify the complete 1769-IM12 catalog number and series.	What is Allen-Bradley 1769-IM12?	It is a Bulletin 1769 Compact I/O module with 12 inputs for 200/240 VAC circuits.
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.	What operating range applies to Allen-Bradley 1769-IM12?	The installation instructions specify 159 to 265 VAC at 47 to 63 Hz.
4	Label all 12 input circuits and the internally commoned return.	How are Allen-Bradley 1769-IM12 inputs grouped?	Inputs 0 through 11 form one input group with common terminals connected internally.
5	Keep the module within the documented power-supply distance rating of 8.		
6	Maintain separation between line-voltage and low-voltage wiring.	What signal delay is specified for Allen-Bradley 1769-IM12?	The maximum on-delay and off-delay are each 20 ms.
7	Restore the controller input map and debounce logic exactly.		
8	Test every enabled input and isolation condition before release.		

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
Allen Bradley 1734-4IOL	View Allen Bradley 1734-4IOL

FAQ, Related Products and 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.

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

Related Products on Apter Power

MODEL	APTER POWER PAGE
Allen Bradley 1734-AENTR	View Allen Bradley 1734-AENTR
Allen Bradley 1734-IB8-D	View Allen Bradley 1734-IB8-D
Allen Bradley 1734-IR2	View Allen Bradley 1734-IR2
Allen Bradley 1756-DHRIO	View Allen Bradley 1756-DHRIO
Allen Bradley 1756-IV32	View Allen Bradley 1756-IV32
Allen Bradley 1756-L1M2	View Allen Bradley 1756-L1M2
Allen Bradley 1756-L55M12	View Allen Bradley 1756-L55M12
Allen Bradley 1756-L55M13	View Allen Bradley 1756-L55M13

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