

1734-IB8S

Safety Input Module

It provides eight current-sinking safety inputs for a 24 V DC POINTBus installation.

Manufacturer	Allen-Bradley
Product family	POINT Guard I/O safety platform
Complete model	1734-IB8S
Source record	1734-UM013 / 1734-SG001

RELATED PRODUCTS ON APTER POWER

01	Allen Bradley 22B-D4P0N104	OPEN
02	Allen Bradley 22B-D6P0N104	OPEN
03	Allen Bradley 1794-OE4XT	OPEN
04	Allen Bradley 1794-IE4XOE2	OPEN
05	Allen Bradley 2711P-RC3	OPEN
06	Allen Bradley 2711-B6C1	OPEN

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1734-IB8S

Exact-model technical record

Complete model	1734-IB8S	Power dissipation	3.0 W maximum; 2.25 W typical
Manufacturer	Allen-Bradley	Input filter	0 to 126 ms in 6 ms increments
Product family	POINT Guard I/O safety platform	Isolation voltage	50 V continuous, basic insulation to system
Safety inputs	8 current-sinking inputs	On-state current	3.5 mA minimum
Nominal input voltage	24 V DC	No-load current	25 mA maximum
Input voltage range	19.2 to 28.8 V DC	Installation publication	1734-IN016
POINTBus current	125 mA maximum		

OFFICIAL SOURCE COVERAGE

Source 1	POINT Guard I/O Safety Modules User Manual and Selection Guide — Catalog or product identification, 1734-UM013 / 1734-SG001
Source 2	POINT Guard I/O Safety Modules User Manual and Selection Guide — Technical specifications, 1734-UM013 / 1734-SG001
Source 3	POINT Guard I/O Safety Modules User Manual and Selection Guide — Installation and application guidance, 1734-UM013 / 1734-SG001

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System role and applications

Safety-device inputs

Collects guarded switch and sensor states in a validated machine-safety project.

Distributed safety I/O

Places eight inputs near field devices on a POINTBus node.

Machine interlocking

Transfers configured safety input states to the safety controller.

Exact module renewal

Restores the 1734-IB8S slot without changing the approved safety design.

ENGINEERING BOUNDARY

Use 1734-IB8S only in a validated POINT Guard I/O safety system. Verify terminal base, adapter, safety signature, test-pulse wiring and controller project before service.

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01	Allen Bradley 22B-D4P0N104	OPEN
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03	Allen Bradley 1794-OE4XT	OPEN
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Model-specific engineering questions

Q1. Which safety inputs identifies 1734-IB8S?

Safety inputs: 8 current-sinking inputs. Match the complete catalog identity before work.

Q2. What nominal input voltage must be matched for 1734-IB8S?

Nominal input voltage: 24 V DC. Preserve the installed system assignment and connector mapping.

Q3. How is the input voltage range defined on 1734-IB8S?

Input voltage range: 19.2 to 28.8 V DC. Use the controlled project record during wiring checks.

Q4. Why does the pointbus current matter when replacing 1734-IB8S?

POINTBus current: 125 mA maximum. Do not substitute a neighboring family value.

SOURCE IDENTIFIER

1734-UM013 / 1734-SG001

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Acceptance reference and related products

Q5. Which power dissipation should commissioning records retain for 1734-IB8S?

Power dissipation: 3.0 W maximum; 2.25 W typical. Record the as-found setting before removal.

Q6. What should technicians verify about the input filter of 1734-IB8S?

Input filter: 0 to 126 ms in 6 ms increments. Confirm the value again during controlled startup.

RELATED PRODUCTS ON APTER POWER

01	Allen Bradley 2711P-RC3	OPEN
02	Allen Bradley 2711-B6C1	OPEN
03	Allen Bradley 1794-IE8	OPEN
04	Allen Bradley 41391-261-52	OPEN
05	Allen Bradley 1794-OB8EP	OPEN
06	Allen Bradley 1785-PFB	OPEN
07	Allen Bradley 1756-L62S	OPEN
08	Allen Bradley 1785-ME32	OPEN
09	Allen Bradley 1756-L63	OPEN
10	Allen Bradley 1757-BEM	OPEN
11	Allen Bradley 1756-L1M2	OPEN
12	Allen Bradley 1756-L61S	OPEN
13	Allen Bradley 1756-L55M13	OPEN
14	Allen Bradley 1756-L55M12	OPEN

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