

APTER POWER

1734-IB8S

Safety Input Module

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

COMPLETE PRODUCT SNAPSHOT

MANUFACTURER	Allen-Bradley
FAMILY	POINT Guard I/O safety platform
MODEL	1734-IB8S
DOCUMENT	1734-UM013 / 1734-SG001

RELATED PRODUCTS ON APTER POWER

01	Allen Bradley 2711P-T7C22D9P	OPEN
02	Allen Bradley 1756-A10-557042	OPEN
03	Allen Bradley 1783-LMS8	OPEN
04	Allen Bradley 1771-NIS-B	OPEN
05	Allen Bradley 1771-NIS-C	OPEN
06	Allen Bradley 1756-ENBT-A	OPEN

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WEBSITE www.apterpower.com



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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		

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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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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.

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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.

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