

MANUFACTURER-SOURCE TECHNICAL REFERENCE

Allen-Bradley 1794-OB16P

Product Reference

FLEX I/O 16-point protected sourcing DC output module

DOCUMENT SCOPE

Apter Power product reference prepared from product-specific Rockwell Automation technical information. Confirm the complete product identity and installed-system requirements before use. No product photograph is included.

Product / lookup identity	Allen-Bradley 1794-OB16P
Reference number	1794-OB16P
Document basis	Rockwell Automation technical documents listed on page 3



Product page

<https://www.apterpower.com/Allen-Bradley/1794-ob16p>

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Product role and published parameters

WHAT IT IS, WHAT IT DOES, AND WHERE IT FITS

Allen-Bradley 1794-OB16P is a 16-point protected sourcing DC output module for FLEX I/O. Its documented hardware function is FLEX I/O 16-point protected sourcing DC output module. System context: FLEX I/O 16-point protected sourcing DC output module.

Technical parameter	Technical value
Output points	16 sourcing DC outputs
External supply	10-31.2 VDC
Current per channel	500 mA maximum
Current per module	8 A maximum
Off-state leakage	0.5 mA maximum
Output surge	1.5 A for 50 ms every 2 s
Off-to-on delay	0.5 ms maximum

System function and signal path

01	System Inputs: FLEX I/O 16-point protected sourcing DC output module
02	Processing: Allen-Bradley 1794-OB16P is a 16-point protected sourcing DC output module for FLEX I/O. It uses a 10-31.2 VDC external supply and supports up to 500 mA per channel.

Applications, answers, and official sources

1 1794-OB16P installed-base maintenance: Supports like-for-like service of the documented FLEX I/O 16-point protected sourcing DC output module.

2 1794-OB16P compatibility review: Checks host hardware, revision, companion components, wiring and configuration before replacement.

3 1794-OB16P installation planning: Defines isolation, ESD, mounting, connection and parameter checks before field work.

4 1794-OB16P commissioning: Supports controlled diagnostic, channel, communication or process-response checks after installation.

Frequently asked questions

What is 1794-OB16P?	1794-OB16P is a FLEX I/O 16-point protected sourcing DC output module.
Which system uses 1794-OB16P?	Use 1794-OB16P only in the manufacturer system and hardware arrangement stated in the technical parameters and installation notice on this page.
How do engineers confirm 1794-OB16P compatibility?	Match the complete 1794-OB16P label, hardware revision, host platform, companion hardware, connector and project configuration before replacement.
What should be checked before installing 1794-OB16P?	Isolate energy, verify wiring and connector orientation, protect the hardware from ESD and compare every field connection with the approved drawing for 1794-OB16P.
What commissioning test is required for 1794-OB16P?	Restore power in a controlled sequence and verify status, diagnostics, channel or output response, alarms and the intended process function of 1794-OB16P.
How should a technician troubleshoot 1794-OB16P?	Record indicators, diagnostics, field measurements, configuration, companion hardware and the operating event before deciding whether 1794-OB16P is faulty.

Official Rockwell Automation sources

FLEX I/O Selection Guide	https://literature.rockwellautomation.com/idc/groups/literature/documents/sg/1794-sg002_-zh-p.pdf
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