

1746-OB16E

DC Output Module

Allen-Bradley 1746-OB16E is an electronically protected 16-point sourcing DC output module for SLC 500 systems. It switches configured DC field loads and reports overload or short-circuit conditions through its electronic protection behavior.

IDENTITY	VERIFIED VALUE
Manufacturer	Allen-Bradley
Complete model	1746-OB16E
Product role	DC Output Module
System family	SLC 500

MANUFACTURER SOURCE RECORDS

- 1. Rockwell Automation SLC 500 System Selection Guide, publication 1747-SG001D-EN-P
- 2. Rockwell Automation 1746-OB16E Installation Instructions, publication 1746-IN027-EN-P

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



1746-OB16E

Product Overview

System function

Allen-Bradley 1746-OB16E is an electronically protected 16-point sourcing DC output module for SLC 500 systems. It switches configured DC field loads and reports overload or short-circuit conditions through its electronic protection behavior.

Sixteen sourcing outputs

Controls sixteen DC load points in one common group.

Electronic protection

Protects the module against documented short-circuit and overload conditions.

Removable terminal block

Allows the field terminal assembly to be separated from the module during controlled service.

Series B fast-off behavior

Provides the documented fast-off feature for Series B and later hardware.

Technical note

Confirm the complete 1746-OB16E series marking, terminal assignment, supply range, point and module current limits, load suppression and SLC slot configuration before energization.

Technical Data and Acceptance

PARAMETER	VERIFIED VALUE	PARAMETER	VERIFIED VALUE
Catalog number	1746-OB16E	Continuous current per module	8.0 A maximum
Module type	Electronically protected sourcing DC output	Surge current per point	2.0 A for 10 ms
Output points	16	Surge current per module	32 A for 10 ms
Points per common	16	On-state voltage drop	1.0 V maximum at 0.50 A
Operating voltage range	10 to 30 V DC	Minimum load current	1 mA
Backplane current at 5 V	135 mA	Off-state leakage current	1 mA maximum
Backplane current at 24 V	0 mA	Signal delay	1 ms on and 1 ms off
Continuous current per point at 30 C	1.0 A	Module ID code	2920
Continuous current per point at 60 C	0.50 A	Terminal block	Removable

Engineering boundary

Confirm the complete 1746-OB16E series marking, terminal assignment, supply range, point and module current limits, load suppression and SLC slot configuration before energization.

Applications and Engineering FAQ

APPLICATION	ENGINEERING CONTEXT
DC solenoid control	Switches approved DC solenoid loads within the point and module limits.
Indicator and relay outputs	Drives documented DC indicators and relay coils.
SLC 500 machine control	Adds protected discrete outputs to a modular SLC station.
Installed-base renewal	Supports controlled replacement while retaining the exact terminal, slot and load records.

Model-Specific FAQ - Part 1

QUESTION	ANSWER
What is Allen-Bradley 1746-OB16E?	1746-OB16E is a 16-point electronically protected sourcing DC output module for SLC 500 systems.
How many outputs does Allen-Bradley 1746-OB16E provide?	It provides 16 outputs in one common group.

Related Products

MODEL	APTER POWER PAGE
Allen-Bradley 1756-OV32E	View Allen-Bradley 1756-OV32E
Allen-Bradley 1771-NBSC-C	View Allen-Bradley 1771-NBSC-C
Allen-Bradley 1771-OQ16	View Allen-Bradley 1771-OQ16
Allen-Bradley 1784-PKTX	View Allen-Bradley 1784-PKTX

FAQ, Related Products and Sources

QUESTION	ANSWER
What voltage range does Allen-Bradley 1746-OB16E use?	The documented operating range is 10 to 30 V DC.
What backplane current does Allen-Bradley 1746-OB16E draw?	It draws 135 mA at 5 V and 0 mA at 24 V from the backplane.
What is the continuous module-current limit for Allen-Bradley 1746-OB16E?	The documented maximum continuous current is 8.0 A per module.
Does Allen-Bradley 1746-OB16E include electronic protection?	Yes. The module provides documented short-circuit and overload protection.
Does Allen-Bradley 1746-OB16E use a removable terminal block?	Yes. The official selection data lists a removable terminal block.
What confirms Allen-Bradley 1746-OB16E commissioning?	Verify the field supply, output map, load current, protection status, terminal assignment and every commanded output.

MODEL	APTER POWER PAGE
Allen-Bradley 1785-PFB	View Allen-Bradley 1785-PFB
Allen-Bradley 1771-SDN	View Allen-Bradley 1771-SDN
Allen-Bradley 2711P-B15C22D9P	View Allen-Bradley 2711P-B15C22D9P
Allen-Bradley 2711P-T10C4D1	View Allen-Bradley 2711P-T10C4D1

MANUFACTURER SOURCE RECORDS

1. Rockwell Automation SLC 500 System Selection Guide, publication 1747-SG001D-EN-P
2. Rockwell Automation 1746-OB16E Installation Instructions, publication 1746-IN027-EN-P

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



1746-OB16E