

INDUSTRIAL AUTOMATION PRODUCT

1746-OW16

SLC 500 sixteen-point relay output module

Sixteen grouped relay output commands

IDENTITY	VERIFIED VALUE
Manufacturer	Allen-Bradley
System family	Allen-Bradley SLC 500 I/O
Part number	1746-OW16
Country	USA
HS code	8537101190

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2

Technical Specifications

Technical values below are limited to the named Allen-Bradley product record.

PARAMETER	TECHNICAL VALUE
Output points	16
Output type	Normally open relay
Operating voltage	5 to 125 V DC; 5 to 265 V AC
Backplane current	170 mA at 5 V DC; 180 mA at 24 V DC
Isolation voltage	500 V DC
Groups	2 groups of 8 outputs
Operating temperature	0 to 60 degC
Storage temperature	-40 to 85 degC

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	SLC 500 chassis
Companion hardware	SLC processor and backplane
Field connection	removable terminal block
Primary system function	Provides sixteen normally open relay outputs
Controlled acceptance duty	Contactors and relay command bank

3

System Role and Architecture

Sixteen grouped relay output commands

FUNCTION 1

Provides sixteen normally open relay outputs

FUNCTION 2

Accepts AC or DC field circuits

FUNCTION 3

Divides outputs into two isolated groups

FUNCTION 4

Occupies one SLC 500 I/O slot

Matched system components

- SLC 500 chassis
- SLC processor and backplane
- removable terminal block
- AC or DC field loads

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	SLC 500 chassis
Companion hardware	SLC processor and backplane
Field connection	removable terminal block
Primary system function	Provides sixteen normally open relay outputs
Controlled acceptance duty	Contactors and relay command bank

4

Applications and Engineering Context

Contactor and relay command bank

Provides sixteen normally open relay outputs

Mixed-voltage actuator control

Accepts AC or DC field circuits

Machine permissive outputs

Divides outputs into two isolated groups

SLC output-module replacement

Occupies one SLC 500 I/O slot

TECHNICAL NOTE

Record the slot, terminal block, group commons, load voltage and output addresses; isolate every field source before removing the module.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	1746-OW16 / 1746-OW16 recorded
Physical interface	SLC 500 chassis
Companion check	SLC processor and backplane
Functional proof	Provides sixteen normally open relay outputs
Application test	Contactor and relay command bank

5

Engineering Precautions

1

Verify the complete 1746-OW16 marking and its assigned Allen-Bradley SLC 500 I/O position before work.

2

Place the connected contactor and relay command bank process in the approved maintenance state.

3

Isolate applicable power and sixteen grouped relay output commands field energy before disconnecting conductors.

4

Record connector, conductor, address, firmware and software identities before removal.

5

Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
GE IC752SPL013	Related industrial automation product	View GE IC752SPL013 page
Emerson KJ2005X1-SQ1-12P6383 X022	Related industrial automation product	View Emerson KJ2005X1-SQ1-12P6383X022 page
Bently Nevada 3500-05-01-01-01-00-01	Related industrial automation product	View Bently Nevada 3500-05-01-01-01-00-01 page
Bently Nevada 330180-X1-00-MOD-1450 04-09	Related industrial automation product	View Bently Nevada 330180-X1-00-MOD-145004-09 page
Siemens A5E00296878	Related industrial automation product	View Siemens A5E00296878 page
Siemens A5E34612879	Related industrial automation product	View Siemens A5E34612879 page
Siemens A5E00825002	Related industrial automation product	View Siemens A5E00825002 page
Siemens A5E00755411	Related industrial automation product	View Siemens A5E00755411 page

MANUFACTURER SOURCE RECORD

Rockwell Automation 1746-OW16 product data

1746-OW16; 1746-IN027

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