

1756-PSCA2

ControlLogix redundant power supply chassis adapter

CONTROLLED ENGINEERING COPY

De-energize both redundant supplies, identify both cable paths and annunciator conductors, and verify chassis Series compatibility before installation.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	1756-PSCA2
Manufacturer part	1756-PSCA2
Hardware type	Redundant power supply chassis adapter
System family	Allen-Bradley ControlLogix redundant power



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01 PRE-INSTALLATION PLAN

- 1

Verify the complete 1756-PSCA2 marking and its assigned Allen-Bradley ControlLogix redundant power position before work.
- 2

Place the connected redundant controller chassis supply process in the approved maintenance state.
- 3

Isolate applicable power and redundant controllogix chassis power transfer 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.

MATCHED HARDWARE

- two ControlLogix redundant power supplies
- two 1756-CPR2 cables
- compatible Series B ControlLogix chassis
- annunciator wiring where used

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	1756-PSCA2 / 1756-PSCA2 recorded
Physical interface	two ControlLogix redundant power supplies
Companion check	two 1756-CPR2 cables
Functional proof	Accepts two redundant power-supply cables
Application test	Redundant controller chassis supply

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Function	Redundant power supply chassis adapter
Power-supply inputs	2 redundant supply cables
Backplane current capacity	4 A at 3.3 V DC
Operating temperature	0 to 60 degC
Relative humidity	5 to 95% noncondensing
Operating shock	30 g
Vibration	2 g at 10 to 500 Hz
Enclosure	Open style

SYSTEM CONNECTION RECORD

CONNECTION ITEM	DOCUMENTED ASSIGNMENT
Installed host / carrier	two ControlLogix redundant power supplies
Companion hardware	two 1756-CPR2 cables
Field connection	compatible Series B ControlLogix chassis
Primary system function	Accepts two redundant power-supply cables
Controlled acceptance duty	Redundant controller chassis supply

FIELD NOTE

De-energize both redundant supplies, identify both cable paths and annunciator conductors, and verify chassis Series compatibility before installation.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	1756-PSCA2 / 1756-PSCA2 recorded
Physical interface	two ControlLogix redundant power supplies
Companion check	two 1756-CPR2 cables
Functional proof	Accepts two redundant power-supply cables
Application test	Redundant controller chassis supply

04 RETURN-TO-SERVICE RECORD

- ☐
- Confirm the installed two ControlLogix redundant power supplies and two 1756-CPR2 cables against the approved project.
- ☐
- Restore power in a controlled sequence and review device, network and host diagnostics.
- ☐
- Prove the intended high-availability process rack function and retain the final test result.
- ☐
- Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	1756-PSCA2
INSTALLED POSITION	Documented Allen-Bradley ControlLogix redundant power position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Siemens 6SE7027-2TD84-6HF3	Related industrial automation product	View Siemens 6SE7027-2TD84-6HF3 page
Siemens 6RY1803-0AA25-0AA1	Related industrial automation product	View Siemens 6RY1803-0AA25-0AA1 page
Siemens 6SE7035-1EJ84-1JC1	Related industrial automation product	View Siemens 6SE7035-1EJ84-1JC1 page
Siemens 6SE7033-7EG84-1JF1	Related industrial automation product	View Siemens 6SE7033-7EG84-1JF1 page
Siemens 6SL3352-6TG38-8AA3	Related industrial automation product	View Siemens 6SL3352-6TG38-8AA3 page
Siemens 6SE7041-2WL84-1JC1	Related industrial automation product	View Siemens 6SE7041-2WL84-1JC1 page
Siemens 6SL3120-2TE21-8AC0	Related industrial automation product	View Siemens 6SL3120-2TE21-8AC0 page
Siemens 6RY1803-1DA04	Related industrial automation product	View Siemens 6RY1803-1DA04 page

SOURCE IDENTIFIERS

Rockwell Automation redundant power system documentation
1756-IN620; 1756-TD005

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