

C98043-A1682-L1

SIMOVERT rectifier/regenerating-unit control circuit board

CONTROLLED ENGINEERING COPY

Isolate the line and DC link, wait for the documented discharge interval, record every connector and board setting, and prove precharge, status and protection functions before enabling the drive.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	C98043-A1682-L1
Manufacturer part	C98043-A1682-L1
Hardware type	C98043-A1682-L1
System family	SIMOVERT MASTERDRIVES rectifier/regenerating unit



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01 PRE-INSTALLATION PLAN

- 1

Verify the complete C98043-A1682-L1 marking and the assigned SIMOVERT MASTERDRIVES rectifier/regenerating unit position before work.
- 2

Place the connected machine or process in the approved maintenance state before disturbing C98043-A1682-L1.
- 3

Isolate the applicable power and field energy, then confirm a safe state before disconnecting C98043-A1682-L1.
- 4

Record connector, conductor, slot and configuration identities before removal of C98043-A1682-L1.
- 5

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

MATCHED HARDWARE

- Compatible SIMOVERT rectifier/regenerating unit
- Installed power section
- Control and feedback harnesses
- Approved MASTERDRIVES parameter set

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	C98043-A1682-L1 / C98043-A1682-L1 recorded
Physical interface	Compatible SIMOVERT rectifier/regenerating unit
Companion check	Installed power section
Functional proof	Controls the assigned rectifier/regenerating-unit section
Application test	Regenerative drive cabinet service

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Order identity	C98043-A1682-L1
Board family	C98043-A1682
System family	SIMOVERT MASTERDRIVES
Equipment role	Rectifier/regenerating-unit control

SYSTEM CONNECTION RECORD

CONNECTION ITEM	DOCUMENTED ASSIGNMENT
Installed host / carrier	Compatible SIMOVERT rectifier/regenerating unit
Companion hardware	Installed power section
Field connection	Control and feedback harnesses
Primary system function	Controls the assigned rectifier/regenerating-unit section
Controlled acceptance duty	Regenerative drive cabinet service

FIELD NOTE

Isolate the line and DC link, wait for the documented discharge interval, record every connector and board setting, and prove precharge, status and protection functions before enabling the drive.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	C98043-A1682-L1 / C98043-A1682-L1 recorded
Physical interface	Compatible SIMOVERT rectifier/regenerating unit
Companion check	Installed power section
Functional proof	Controls the assigned rectifier/regenerating-unit section
Application test	Regenerative drive cabinet service

04 RETURN-TO-SERVICE RECORD

- ☐
- Confirm that the installed companion hardware and approved project match the C98043-A1682-L1 arrangement.
- ☐
- Restore power in a controlled sequence and review device, rack and host diagnostics.
- ☐
- Prove the intended function and retain the final test result before returning C98043-A1682-L1 to service.
- ☐
- Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	C98043-A1682-L1
INSTALLED POSITION	Documented SIMOVERT MASTERDRIVES rectifier/regenerating unit 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
6ES7223-1BL22-0XA0	Related Siemens product	View 6ES7223-1BL22-0XA0 page
6SE7041-8HK85-1HA0	Related Siemens product	View 6SE7041-8HK85-1HA0 page
6SL3200-0SP01-0AA0	Related Siemens product	View 6SL3200-0SP01-0AA0 page
6SE7041-8EK85-1HA0	Related Siemens product	View 6SE7041-8EK85-1HA0 page
6SE7041-8EK85-0HA0	Related Siemens product	View 6SE7041-8EK85-0HA0 page
6SE7041-8GK85-0HA0	Related Siemens product	View 6SE7041-8GK85-0HA0 page
6RA8075-6DS22-0AA0	Related Siemens product	View 6RA8075-6DS22-0AA0 page
6SL3350-6TK00-0BA0	Related Siemens product	View 6SL3350-6TK00-0BA0 page

SOURCE IDENTIFIERS

Siemens SIMOVERT MASTERDRIVES Rectifier/Regenerating Unit Operating Instructions
6SE7087-6AK85-1AA0

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