

C98043-A1682-L1

SIMOVERT rectifier/regenerating-unit control circuit board

It carries the documented control-board function in a compatible SIMOVERT rectifier/regenerating unit.

PRODUCT SNAPSHOT

BRAND

Siemens

FAMILY

SIMOVERT MASTERDRIVES rectifier/regenerati

PART

C98043-A1682-L1

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PRODUCT OVERVIEW

It carries the documented control-board function in a compatible SIMOVERT rectifier/regenerating unit.

1

Controls the assigned rectifier/regenerating-unit section

2

Interfaces with the installed power-section electronics

3

Supports drive status and protection processing

4

Retains the documented board identity for service verification

SYSTEM COMPONENTS

Compatible SIMOVERT rectifier/regenerating unit

Installed power section

Control and feedback harnesses

Approved MASTERDRIVES parameter set

TECHNICAL 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.

TECHNICAL DATA

PARAMETER	VALUE
Order identity	C98043-A1682-L1
Board family	C98043-A1682

PARAMETER	VALUE
System family	SIMOVERT MASTERDRIVES
Equipment role	Rectifier/regenerating-unit control

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
6SL3351-1AE37-5BA1	Related Siemens product	View 6SL3351-1AE37-5BA1 page
6SL3352-1AE37-5BA1	Related Siemens product	View 6SL3352-1AE37-5BA1 page
6SE7090-0XX84-3DB1	Related Siemens product	View 6SE7090-0XX84-3DB1 page
6ES7193-4JA00-0AA0	Related Siemens product	View 6ES7193-4JA00-0AA0 page
6ED1052-1MD00-0BA5	Related Siemens product	View 6ED1052-1MD00-0BA5 page
6ES7153-2AA02-0XB0	Related Siemens product	View 6ES7153-2AA02-0XB0 page
6ES7954-8LC04-0AA0	Related Siemens product	View 6ES7954-8LC04-0AA0 page
6AV2124-0QC02-0AX1	Related Siemens product	View 6AV2124-0QC02-0AX1 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Regenerative drive cabinet service

Controls the assigned rectifier/regenerating-unit section

Common DC-bus power conversion

Interfaces with the installed power-section electronics

Industrial drive retrofit verification

Supports drive status and protection processing

Controlled power-section recommissioning

Retains the documented board identity for service verification

PRODUCT PRECAUTIONS

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

ENGINEER FAQ

Q1 Does C98043-A1682-L1 match Compatible SIMOVERT rectifier/regenerating unit in a Regenerative drive cabinet service installation?

Verify the complete C98043-A1682-L1 marking, the documented SIMOVERT MASTERDRIVES rectifier/regenerating unit position and the installed Compatible SIMOVERT rectifier/regenerating unit before fitting the assembly.

Q3 Which SIMOVERT MASTERDRIVES rectifier/regenerating unit records should be captured before removing C98043-A1682-L1?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with C98043-A1682-L1 before disconnection.

Q5 Which Installed power section condition should be checked when C98043-A1682-L1 reports an abnormal state?

Check the Installed power section supply, seating and connection first, then compare channel diagnostics with the recorded C98043-A1682-L1 baseline.

Q7 What maintenance evidence is required after C98043-A1682-L1 is used for Industrial drive retrofit verification?

Retain the nameplate record, corrective action, final diagnostics and a controlled industrial drive retrofit verification functional-test result for C98043-A1682-L1.

Q2 How should C98043-A1682-L1 be wired when it must controls the assigned rectifier/regenerating-unit section?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for C98043-A1682-L1; then continuity-test the affected path.

Q4 What controlled test confirms that C98043-A1682-L1 can interfaces with the installed power-section electronics?

Apply the approved field or simulated stimulus, observe the SIMOVERT MASTERDRIVES rectifier/regenerating unit indication and confirm the intended response without bypassing the normal interlocks.

Q6 Can C98043-A1682-L1 be moved directly into Common DC-bus power conversion without validating Approved MASTERDRIVES parameter set?

No. Confirm the Approved MASTERDRIVES parameter set, revision, connection scheme and SIMOVERT MASTERDRIVES rectifier/regenerating unit configuration before transferring C98043-A1682-L1 to that duty.

Q8 How should C98043-A1682-L1 be returned to service in Controlled power-section recommissioning?

Restore power under control, verify supports drive status and protection processing, exercise the intended signal path and release C98043-A1682-L1 only after the SIMOVERT MASTERDRIVES rectifier/regenerating unit remains in its approved operating state.

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

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