

INDUSTRIAL AUTOMATION PRODUCT

C98043-A1682-L1

SIMOVERT rectifier/regenerating-unit control circuit board

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

IDENTITY	VERIFIED VALUE
Manufacturer	Siemens
System family	SIMOVERT MASTERDRIVES rectifier/regenerating unit
Part number	C98043-A1682-L1
Country	Germany
HS code	8537101190

APTER POWER SALES TEAM

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Technical Specifications

Technical values below are limited to the named Siemens product record.

PARAMETER	TECHNICAL VALUE
Order identity	C98043-A1682-L1
Board family	C98043-A1682
System family	SIMOVERT MASTERDRIVES
Equipment role	Rectifier/regenerating-unit control

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED 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

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System Role and Architecture

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

FUNCTION 1

Controls the assigned rectifier/regenerating-unit section

FUNCTION 2

Interfaces with the installed power-section electronics

FUNCTION 3

Supports drive status and protection processing

FUNCTION 4

Retains the documented board identity for service verification

Matched system components

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

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
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

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Applications and Engineering Context

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

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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	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

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Engineering 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.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
6ES7317-2EK13-0AB0	Related Siemens product	View 6ES7317-2EK13-0AB0 page
6ES7317-2AJ10-0AB0	Related Siemens product	View 6ES7317-2AJ10-0AB0 page
A5E36717803	Related Siemens product	View A5E36717803 page
A5E36717808	Related Siemens product	View A5E36717808 page
A5E00297630	Related Siemens product	View A5E00297630 page
A5E36717793	Related Siemens product	View A5E36717793 page
A5E36717811	Related Siemens product	View A5E36717811 page
6ED1052-1HB08-0BA1	Related Siemens product	View 6ED1052-1HB08-0BA1 page

MANUFACTURER SOURCE RECORD

Siemens SIMOVERT MASTERDRIVES Rectifier/Regenerating Unit Operating Instructions

6SE7087-6AK85-1AA0

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