

INDUSTRIAL AUTOMATION PRODUCT

6SE7031-7HG84-1GG0

SIMOVERT MASTERDRIVES SML1 Inverter Wiring Board

Siemens 6SE7031-7HG84-1GG0 is the SML1 lower-unit inverter wiring board for SIMOVERT MASTERDRIVES. Replacement must preserve the complete host and connection record.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Siemens
System family	SIMOVERT MASTERDRIVES
Part number	6SE7031-7HG84-1GG0
Document status	Controlled product and system reference

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING NOTE

Install 6SE7031-7HG84-1GG0 only in the documented documented MASTERDRIVES lower-unit hardware. Preserve the as-found wiring, hardware revision and configuration; then review diagnostics and verify the affected lower-unit inverter wiring interface under controlled conditions.

System Role and Architecture

Siemens 6SE7031-7HG84-1GG0 is the SML1 lower-unit inverter wiring board for SIMOVERT MASTERDRIVES. Replacement must preserve the complete host and connection record.

FUNCTION 1
Exact article identity 6SE7031-7HG84-1GG0

FUNCTION 2
SIMOVERT MASTERDRIVES SML1 Inverter Wiring Board

FUNCTION 3
Documented role: lower-unit inverter wiring interface

FUNCTION 4
Controlled installation, diagnostics and functional verification

RELATED APTER POWER PAGES

1 Siemens A5E36717793

2 Siemens A5E36717811

3 Siemens 6SE7041-8EK85-1HA0

4 Siemens 6SL3350-6TK00-0BA0

5 Siemens 6SL3351-1AE37-5BA1

6 Siemens 6SE7090-0XX84-3DB1

7 Siemens C98043-A7105-L4-9

8 Siemens 6SL3210-5FB10-4UF1

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	SIMOVERT MASTERDRIVES
02	documented MASTERDRIVES lower-unit hardware
03	Documented connectors, terminals and protective-earth path
04	Approved firmware, parameter or project record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	SIMOVERT MASTERDRIVES
Interface role	lower-unit inverter wiring interface
Field / power context	documented MASTERDRIVES lower-unit hardware
Commissioning evidence	Identity, interfaces, configuration, diagnostics and controlled functional response recorded

INSTALLATION AND CONNECTION CHECKS

1 Confirm the complete 6SE7031-7HG84-1GG0 marking, SIMOVERT MASTERDRIVES SML1 Inverter Wiring Board designation and the recorded

2 Place the drive, motor and connected process in the approved maintenance state.

3 Isolate incoming and auxiliary power, prove stored DC-link energy discharged and use ESD controls.

4 Record every power, signal, feedback, communication, shielding and protective-earth connection before removal.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Module designation	SML1	Drive family	SIMOVERT MASTERDRIVES
Component type	Inverter wiring board	Lifecycle	Discontinued product
Installation position	Lower unit	Availability	Sale until zero stock

RELATED PRODUCT PAGES

1 Siemens A5E36717793

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3 Siemens 6SE7041-8EK85-1HA0

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5 Siemens 6SL3351-1AE37-5BA1

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8 Siemens 6SL3210-5FB10-4UF1

ENGINEERING BOUNDARY

Confirm 6SE7031-7HG84-1GG0, the complete SIMOVERT MASTERDRIVES host, hardware revision, installed position, terminals, connectors, stored-energy state, protective earth, shielding, cooling, firmware or parameter record, diagnostics and controlled acceptance evidence before release.

PRE-INSTALLATION CHECKS

- 1

Confirm the complete 6SE7031-7HG84-1GG0 marking, SIMOVERT MASTERDRIVES SML1 Inverter Wiring Board designation and the
- 2

Place the drive, motor and connected process in the approved maintenance state.
- 3

Isolate incoming and auxiliary power, prove stored DC-link energy discharged and use ESD controls.
- 4

Record every power, signal, feedback, communication, shielding and protective-earth connection before removal.

Applications and Engineering Context

SIMOVERT MASTERDRIVES planned maintenance

Restores the documented lower-unit inverter wiring interface during controlled cabinet service.

SIMOVERT MASTERDRIVES SML1 Inverter Wiring Board replacement

Uses the exact 6SE7031-7HG84-1GG0 identity instead of a nearby electrical or firmware execution.

Drive-system refurbishment

Preserves the recorded hardware, connections, protective earth, cooling and configuration.

Controlled recommissioning

Confirms diagnostics and the affected drive role before automatic operation.

TECHNICAL NOTE

Install 6SE7031-7HG84-1GG0 only in the documented documented MASTERDRIVES lower-unit hardware. Preserve the as-found wiring, hardware revision and configuration; then review diagnostics and verify the affected lower-unit inverter wiring interface under controlled conditions.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	6SE7031-7HG84-1GG0 recorded
Host / carrier	SIMOVERT MASTERDRIVES
Physical interface	Installed power, signal, feedback and communication interfaces matched to the as-found record
Configuration	Approved hardware, firmware and parameter or project configuration restored
Functional proof	Controlled test confirms lower-unit inverter wiring interface

IMPORTANT NOTICE

Confirm 6SE7031-7HG84-1GG0, the complete SIMOVERT MASTERDRIVES host, hardware revision, installed position, terminals, connectors, stored-energy state, protective earth, shielding, cooling, firmware or parameter record, diagnostics and controlled

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

Siemens A5E36717793

View Siemens A5E36717793 page

2

Siemens A5E36717811

View Siemens A5E36717811 page

3

Siemens 6SE7041-8EK85-1HA0

View Siemens 6SE7041-8EK85-1HA0 page

4

Siemens 6SL3350-6TK00-0BA0

View Siemens 6SL3350-6TK00-0BA0 page

5

Siemens 6SL3351-1AE37-5BA1

View Siemens 6SL3351-1AE37-5BA1 page

6

Siemens 6SE7090-0XX84-3DB1

View Siemens 6SE7090-0XX84-3DB1 page

7

Siemens C98043-A7105-L4-9

View Siemens C98043-A7105-L4-9 page

8

Siemens 6SL3210-5FB10-4UF1

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MANUFACTURER SOURCE RECORD

Siemens SiePortal product record for 6SE7031-7HG84-1GG0 | Siemens official product and family documentation, accessed 24 September 2026

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.