

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.

PRODUCT SNAPSHOT

BRAND
Siemens

FAMILY
SIMOVERT MASTERDRIVES

PART
6SE7031-7HG84-1GG0

DOCUMENT STATUS
Controlled engineering copy

APTER POWER

WHATSAPP / PHONE

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PRODUCT OVERVIEW

6SE7031-7HG84-1GG0 provides lower-unit inverter wiring interface for the matched SIMOVERT MASTERDRIVES installation.

- Exact article identity 6SE7031-7HG84-1GG0
- SIMOVERT MASTERDRIVES SML1 Inverter Wiring Board
- Documented role: lower-unit inverter wiring interface
- Controlled installation, diagnostics and functional verification

RELATED APTER POWER PAGES					
1	Siemens C98043-A7105-L4-9	2	Siemens 6SL3210-5FB10-4UF1	3	Siemens A5E36717793
4	Siemens A5E36717811	5	Siemens 6SE7041-8EK85-1HA0	6	Siemens 6SL3350-6TK00-0BA0
7	Siemens 6SL3351-1AE37-5BA1	8	Siemens 6SE7090-0XX84-3DB1		

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
Proximity probe	Matched extension cable
Proximitor Sensor	AISI 4140 target

ENGINEERING CONTEXT

The component remains matched to the documented MASTERDRIVES lower-unit hardware, its connectors and the recorded configuration. Commissioning preserves the installed architecture and verifies controlled drive response.

TECHNICAL DATA

PARAMETER	VALUE
Module designation	SML1
Component type	Inverter wiring board
Installation position	Lower unit

PARAMETER	VALUE
Drive family	SIMOVERT MASTERDRIVES
Lifecycle	Discontinued product
Availability	Sale until zero stock

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8 Siemens 6SE7090-0XX84-3DB1

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.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

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.

PRODUCT PRECAUTIONS

1

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

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

5

Verify the installed host and all official values documented for 6SE7031-7HG84-1GG0; do not infer

6

Restore the approved hardware revision, connectors, cooling path and parameter or project record.

7

Energize in the manufacturer sequence and review drive, module and communication diagnostics.

8

Complete controlled interlock, feedback and safe-point functional tests before service release.

RELATED APTER POWER PAGES

1

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2

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Siemens A5E36717793

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ENGINEER FAQ

Q1 How is the exact 6SE7031-7HG84-1GG0 execution identified?

Match the complete 6SE7031-7HG84-1GG0 article number, SIMOVERT MASTERDRIVES SML1 Inverter Wiring Board designation and the recorded host position before replacement.

Q2 What documented function does 6SE7031-7HG84-1GG0 perform?

It provides lower-unit inverter wiring interface within the SIMOVERT MASTERDRIVES arrangement.

Q3 Which installed hardware must be matched before fitting 6SE7031-7HG84-1GG0?

Use only the documented MASTERDRIVES lower-unit hardware with matching terminals, connectors, hardware revision and system record.

Q4 Which official values govern 6SE7031-7HG84-1GG0?

Module designation: SML1; Component type: Inverter wiring board; Installation position: Lower unit; Drive family: SIMOVERT MASTERDRIVES.

Q5 What must be recorded before removing 6SE7031-7HG84-1GG0?

Record the nameplate, board position, every power and signal connection, shielding, protective earth, firmware or parameter state and active diagnostics.

Q6 Which handling controls apply to 6SE7031-7HG84-1GG0?

Place the drive and machine in the approved maintenance state, isolate all supplies, prove stored energy discharged and use ESD controls.

Q7 How is 6SE7031-7HG84-1GG0 verified after installation?

Restore the documented hardware and configuration, review diagnostics and complete a controlled safe-point functional test of the affected drive role.

Q8 Which manufacturer record supports the 6SE7031-7HG84-1GG0 page?

The Siemens SiePortal product record for 6SE7031-7HG84-1GG0 and directly applicable Siemens family manual support the stated identity, function and commissioning boundaries.

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

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