

6SE7031-7HG84-1JC2

SIMOVERT MASTERDRIVES IGD5 inverter control module

CONTROLLED ENGINEERING COPY

Discharge the DC link and verify the 171 A power-section identity before installation; preserve connector order, restore the approved drive project and confirm inhibited gate signals before controlled start-up.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	6SE7031-7HG84-1JC2
Manufacturer part	6SE7031-7HG84-1JC2
Hardware type	6SE7031-7HG84-1JC2
System family	SIMOVERT MASTERDRIVES 660-690 V inverter hardware



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01 PRE-INSTALLATION PLAN

- 1

Verify the complete 6SE7031-7HG84-1JC2 marking and its documented SIMOVERT MASTERDRIVES 660-690 V inverter hardware position before field work.
- 2

Place the connected equipment in the approved maintenance state before removing 6SE7031-7HG84-1JC2.
- 3

Isolate every applicable power, signal and stored-energy source, then prove a safe state at 6SE7031-7HG84-1JC2.
- 4

Record the installed connectors, terminals, jumpers and channel or node assignments before disconnection.
- 5

Use ESD controls and protect keyed interfaces, edge connectors and exposed electronic assemblies.

MATCHED HARDWARE

- 171 A SIMOVERT MASTERDRIVES inverter
- documented gate-drive cable set
- matching control board and power stack
- approved drive parameter backup

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	6SE7031-7HG84-1JC2 / 6SE7031-7HG84-1JC2 recorded
Physical interface	171 A SIMOVERT MASTERDRIVES inverter
Companion check	documented gate-drive cable set
Functional proof	Drives the installed inverter switching stage
Application test	High-voltage MASTERDRIVES repair

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Article number	6SE7031-7HG84-1JC2
Module designation	IGD5
Equipment class	Inverter control module
AC device voltage	660-690 V 3 AC
AC frequency	50/60 Hz
DC-link voltage	890-930 V DC
Device current	171 A
Quantity unit	1 piece

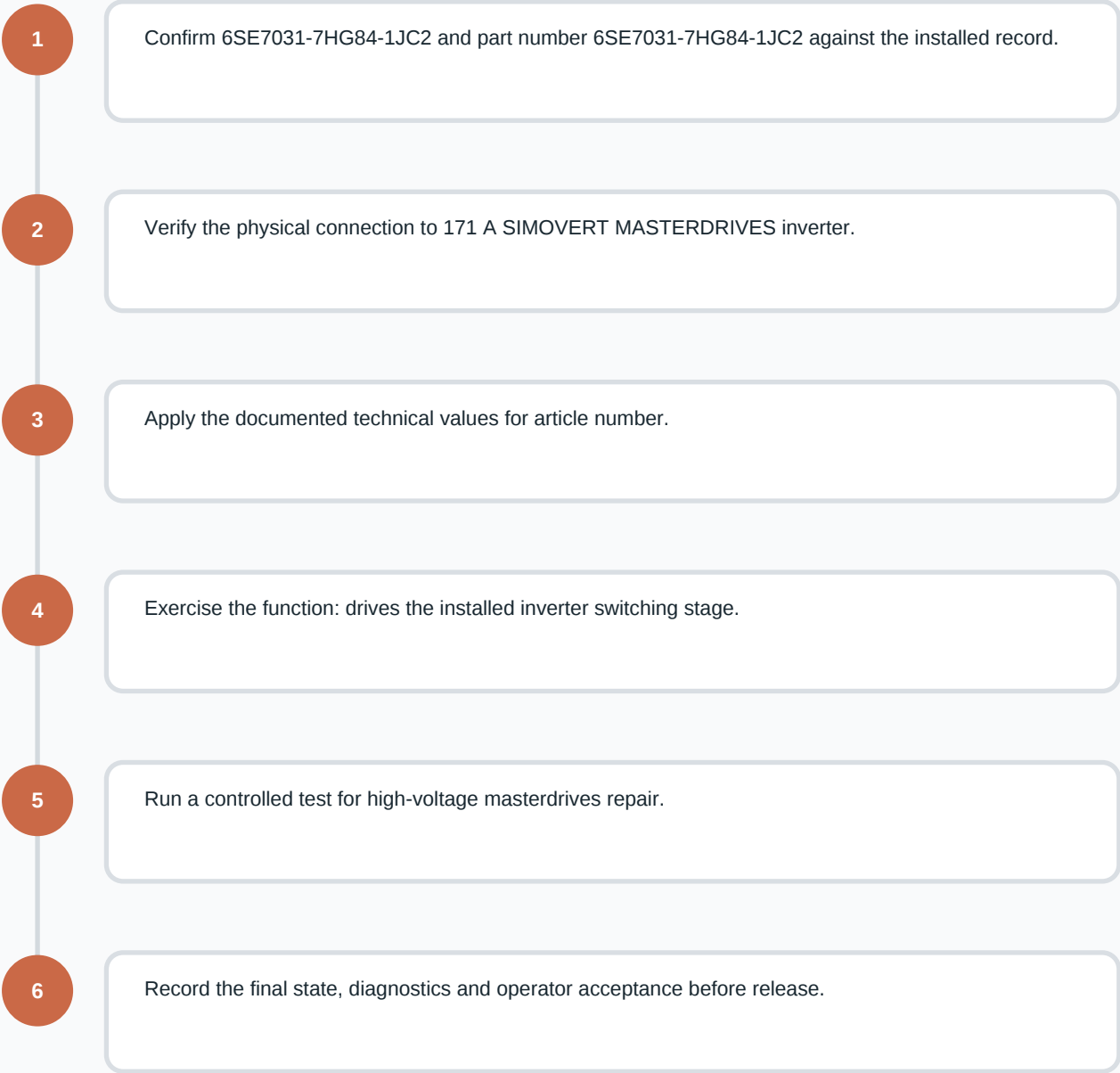
SYSTEM CONNECTION RECORD

CONNECTION ITEM	DOCUMENTED ASSIGNMENT
Installed host / carrier	171 A SIMOVERT MASTERDRIVES inverter
Companion hardware	documented gate-drive cable set
Field connection	matching control board and power stack
Primary system function	Drives the installed inverter switching stage
Controlled acceptance duty	High-voltage MASTERDRIVES repair

FIELD NOTE

Discharge the DC link and verify the 171 A power-section identity before installation; preserve connector order, restore the approved drive project and confirm inhibited gate signals before controlled start-up.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	6SE7031-7HG84-1JC2 / 6SE7031-7HG84-1JC2 recorded
Physical interface	171 A SIMOVERT MASTERDRIVES inverter
Companion check	documented gate-drive cable set
Functional proof	Drives the installed inverter switching stage
Application test	High-voltage MASTERDRIVES repair

04 RETURN-TO-SERVICE RECORD

- ☐
- Restore only the approved SIMOVERT MASTERDRIVES 660-690 V inverter hardware arrangement and configuration after replacement.
- ☐
- Energize 6SE7031-7HG84-1JC2 in the documented sequence and review local, host and network diagnostics.
- ☐
- Prove the intended controlled function and retain the final acceptance record before production release.
- ☐
- Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	6SE7031-7HG84-1JC2
INSTALLED POSITION	Documented SIMOVERT MASTERDRIVES 660-690 V inverter hardware 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
6EP1333-4BA00	Related Siemens product	View 6EP1333-4BA00 page
6GK1561-2AA00	Related Siemens product	View 6GK1561-2AA00 page
6ES7432-1HF00-0AB0	Related Siemens product	View 6ES7432-1HF00-0AB0 page
6EP1434-2BA20	Related Siemens product	View 6EP1434-2BA20 page
6ES7332-5HF00-0AB0	Related Siemens product	View 6ES7332-5HF00-0AB0 page
6ES7234-4HE32-0XB0	Related Siemens product	View 6ES7234-4HE32-0XB0 page
6AV6545-0DB10-0AX0	Related Siemens product	View 6AV6545-0DB10-0AX0 page
6ES7422-1BL00-0AA0	Related Siemens product	View 6ES7422-1BL00-0AA0 page

SOURCE IDENTIFIERS

Siemens SiePortal product record
6SE7031-7HG84-1JC2

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