

6SE7033-7EG84-1JF1

SIMOVERT MASTERDRIVES IGD4 Inverter Gating Module

Siemens 6SE7033-7EG84-1JF1 is an IGD4 inverter control module for 380 to 460 V AC or 510 to 620 V DC, 370 A devices. It restores the specified control or power-interface function inside the matched Siemens drive assembly.

BRAND	Siemens	FAMILY	Siemens SINAMICS or SIMOVERT drive power-electronics system
PART	6SE7033-7EG84-1JF1	SYSTEM ROLE	Provides the documented igd4 inverter control module function

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6SE7033-7EG84-1JF1

MANUFACTURER SOURCE RECORD

Siemens product record for 6SE7033-7EG84-1JF1
Siemens SiePortal / Industry Mall product record and applicable drive equipment manual

Product Overview

SYSTEM FUNCTION

Siemens 6SE7033-7EG84-1JF1 is an IGD4 inverter control module for 380 to 460 V AC or 510 to 620 V DC, 370 A devices. It restores the specified control or power-interface function inside the matched Siemens drive assembly.

FUNCTION 1

Provides the documented igd4 inverter control module function

FUNCTION 2

Keeps 6SE7033-7EG84-1JF1 as the controlled identity

FUNCTION 3

Matches the approved drive hardware position

FUNCTION 4

Supports controlled diagnostic verification

System Components

COMPONENT	DOCUMENTED ROLE
Host / carrier	Siemens SINAMICS or SIMOVERT drive power-electronics system
Primary interface	Provides the documented igd4 inverter control module function
Engineering context	6SE7033-7EG84-1JF1 is serviced only in the documented Siemens drive position with its matching host hardware, connectors, cooling and protective-ground arrangement. Commissioning preserves the as-found configuration and verifies identity, connections, diagnostics and the affected drive function.
Commissioning duty	Complete controlled interlock, output and machine-function tests before returning the drive to service.

TECHNICAL NOTE

Before removing 6SE7033-7EG84-1JF1, record the complete drive identity, hardware version, mating connectors, power interfaces, grounding and configuration. Restore the exact Siemens arrangement, review diagnostics and complete controlled drive and machine tests before release.

Technical Data

PARAMETER	VALUE	PARAMETER	VALUE
Article number	6SE7033-7EG84-1JF1	DC voltage range	510 to 620 V DC
Module type	IGD4 inverter control module	Current class	370 A
AC voltage range	380 to 460 V 3 AC		

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
6SL3362-0AG00-0AA1	SINAMICS component	View 6SL3362-0AG00-0AA1 page
6SL3055-0AA00-5CA2	SMC30 Sensor Module	View 6SL3055-0AA00-5CA2 page
6SL3120-1TE21-8AA4	Single Motor Module	View 6SL3120-1TE21-8AA4 page
6SL3120-1TE21-8AA3	Single Motor Module	View 6SL3120-1TE21-8AA3 page
6SL3100-0BE23-6AB0	Active Interface Module	View 6SL3100-0BE23-6AB0 page
6SL3246-0BA22-1FA0	CU250S-2 PN Control Unit	View 6SL3246-0BA22-1FA0 page
6SL3120-2TE21-0AA4	Motor Module	View 6SL3120-2TE21-0AA4 page
6SL3320-1TE33-1AA3	Motor Module	View 6SL3320-1TE33-1AA3 page

ENGINEERING BOUNDARY

Confirm 6SE7033-7EG84-1JF1, the complete Siemens drive type, hardware revision, igd4 inverter control module position, connectors and terminals, DC-link isolation, cooling, protective grounding, firmware, parameter set and controlled interlock and functional-test results before commissioning.

Applications and Precautions

Common Applications

6SE7033-7EG84-1JF1 installed-system service

Restores the documented igd4 inverter control module position without changing the approved Siemens SINAMICS or SIMOVERT drive power-electronics system architecture.

6SE7033-7EG84-1JF1 controlled replacement

Uses exact identity and hardware records to prevent a neighboring execution from entering the installation.

6SE7033-7EG84-1JF1 cabinet refurbishment

Preserves the recorded connector, terminal and protective-ground arrangement during planned maintenance.

6SE7033-7EG84-1JF1 recommissioning

Provides the product-specific reference for diagnostic review and functional acceptance before release.

Product Precautions

- 1

Confirm the complete 6SE7033-7EG84-1JF1 marking and installed drive record before work.
- 2

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

Isolate incoming power and prove the DC link and all stored energy discharged.
- 4

Record every connector, terminal, busbar, cable and protective-earth position before removal.
- 5

Use ESD controls and protect all board and module interfaces from contamination or mechanical load.
- 6

Install only the documented igd4 inverter control module execution and restore the recorded hardware arrangement.
- 7

Restore the approved firmware, parameters and project configuration, then review all drive diagnostics.
- 8

Complete controlled interlock, output and machine-function tests before returning the drive to service.

IMPORTANT NOTICE

Confirm 6SE7033-7EG84-1JF1, the complete Siemens drive type, hardware revision, igd4 inverter control module position, connectors and terminals, DC-link isolation, cooling, protective grounding, firmware, parameter set and controlled interlock and functional-test results before commissioning.

ACCEPTANCE CHECK	REQUIRED EVIDENCE
Identity	6SE7033-7EG84-1JF1
Configuration	Restore the approved firmware, parameters and project configuration, then review all drive diagnostics.
Functional release	Complete controlled interlock, output and machine-function tests before returning the drive to service.

Engineer FAQ

Q1 Which official identity detail distinguishes 6SE7033-7EG84-1JF1 during receiving inspection?

For 6SE7033-7EG84-1JF1, the official source identifies article number as 6SE7033-7EG84-1JF1. Confirm the same value in the installed record before work.

Q3 How does the published ac voltage range affect selection of 6SE7033-7EG84-1JF1?

For 6SE7033-7EG84-1JF1, the official source identifies ac voltage range as 380 to 460 V 3 AC. Confirm the same value in the installed record before work.

Q5 Where does 6SE7033-7EG84-1JF1 fit in the approved installed system arrangement?

For 6SE7033-7EG84-1JF1, the official source identifies installed system as Siemens SINAMICS or SIMOVERT drive power-electronics system. Confirm the same value in the installed record before work.

Q7 Which diagnostic sequence should follow controlled energization of 6SE7033-7EG84-1JF1?

Restore the approved firmware, parameters and project configuration, then review all drive diagnostics.

Q2 What documented module type must be matched before 6SE7033-7EG84-1JF1 is installed?

For 6SE7033-7EG84-1JF1, the official source identifies module type as IGD4 inverter control module. Confirm the same value in the installed record before work.

Q4 Which dc voltage range condition must remain unchanged when replacing 6SE7033-7EG84-1JF1?

For 6SE7033-7EG84-1JF1, the official source identifies dc voltage range as 510 to 620 V DC. Confirm the same value in the installed record before work.

Q6 What connection evidence should be retained before disconnecting 6SE7033-7EG84-1JF1?

Record every connector, terminal, busbar, cable and protective-earth position before removal. Use ESD controls and protect all board and module interfaces from contamination or mechanical load.

Q8 What functional result is required before 6SE7033-7EG84-1JF1 returns to service?

Complete controlled interlock, output and machine-function tests before returning the drive to service.

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