

6SE7037-0EJ84-1JC2

SIMOVERT MASTERDRIVES IGD7 inverter control module

It is the IGD7 inverter-control module for the documented SIMOVERT MASTERDRIVES power section.

PRODUCT SNAPSHOT

BRAND

Siemens

FAMILY

SIMOVERT MASTERDRIVES inverter

PART

6SE7037-0EJ84-1JC2

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PRODUCT OVERVIEW

It is the IGD7 inverter-control module for the documented SIMOVERT MASTERDRIVES power section.

1

Drives the assigned inverter power stage

2

Processes inverter status and protection feedback

3

Supports the documented AC and DC-link ranges

4

Retains the IGD7 hardware identity during service

SYSTEM COMPONENTS

Compatible SIMOVERT inverter power section

Drive control unit

Gate-drive and feedback connections

Approved 6SE70 parameter set

TECHNICAL NOTE

Verify the full 6SE7037-0EJ84-1JC2 marking and inverter host, isolate mains and DC-link energy, preserve control connections, and test gating, feedback and fault response without load before production.

TECHNICAL DATA

PARAMETER	VALUE
Order number	6SE7037-0EJ84-1JC2
Module designation	IGD7
Equipment role	Inverter control
Supply system	3 AC

PARAMETER	VALUE
Rated line-voltage range	380 to 460 V AC
Rated frequency	50/60 Hz
DC-link range	510 to 620 V DC

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
6ES7288-2DR16-0AA0	Related Siemens product	View 6ES7288-2DR16-0AA0 page
6ES7288-2DR08-0AA0	Related Siemens product	View 6ES7288-2DR08-0AA0 page
6ES7288-2DE16-0AA0	Related Siemens product	View 6ES7288-2DE16-0AA0 page
6ES7288-2DE08-0AA0	Related Siemens product	View 6ES7288-2DE08-0AA0 page
6ES7288-1CR60-0AA0	Related Siemens product	View 6ES7288-1CR60-0AA0 page
6ES7288-1CR40-0AA0	Related Siemens product	View 6ES7288-1CR40-0AA0 page
6ES7288-1CR60-0AA1	Related Siemens product	View 6ES7288-1CR60-0AA1 page
6ES7288-1CR40-0AA1	Related Siemens product	View 6ES7288-1CR40-0AA1 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

High-power motor drives

Drives the assigned inverter power stage

Process-line speed control

Processes inverter status and protection feedback

Industrial inverter restoration

Supports the documented AC and DC-link ranges

MASTERDRIVES retrofit verification

Retains the IGD7 hardware identity during service

PRODUCT PRECAUTIONS

- 1 Verify the complete 6SE7037-0EJ84-1JC2 marking and the assigned SIMOVERT MASTERDRIVES inverter position before work.
- 2 Place the connected machine or process in the approved maintenance state before disturbing 6SE7037-0EJ84-1JC2.
- 3 Isolate the applicable power and field energy, then confirm a safe state before disconnecting 6SE7037-0EJ84-1JC2.
- 4 Record connector, conductor, slot and configuration identities before removal of 6SE7037-0EJ84-1JC2.
- 5 Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies during handling.
- 6 Confirm that the installed companion hardware and approved project match the 6SE7037-0EJ84-1JC2 arrangement.
- 7 Restore power in a controlled sequence and review device, rack and host diagnostics.
- 8 Prove the intended function and retain the final test result before returning 6SE7037-0EJ84-1JC2 to service.

ENGINEER FAQ

Q1 Does 6SE7037-0EJ84-1JC2 match Compatible SIMOVERT inverter power section in a High-power motor drives installation?

Verify the complete 6SE7037-0EJ84-1JC2 marking, the documented SIMOVERT MASTERDRIVES inverter position and the installed Compatible SIMOVERT inverter power section before fitting the assembly.

Q2 How should 6SE7037-0EJ84-1JC2 be wired when it must drives the assigned inverter power stage?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 6SE7037-0EJ84-1JC2; then continuity-test the affected path.

Q3 Which SIMOVERT MASTERDRIVES inverter records should be captured before removing 6SE7037-0EJ84-1JC2?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 6SE7037-0EJ84-1JC2 before disconnection.

Q4 What controlled test confirms that 6SE7037-0EJ84-1JC2 can processes inverter status and protection feedback?

Apply the approved field or simulated stimulus, observe the SIMOVERT MASTERDRIVES inverter indication and confirm the intended response without bypassing the normal interlocks.

Q5 Which Drive control unit condition should be checked when 6SE7037-0EJ84-1JC2 reports an abnormal state?

Check the Drive control unit supply, seating and connection first, then compare channel diagnostics with the recorded 6SE7037-0EJ84-1JC2 baseline.

Q6 Can 6SE7037-0EJ84-1JC2 be moved directly into Process-line speed control without validating Approved 6SE70 parameter set?

No. Confirm the Approved 6SE70 parameter set, revision, connection scheme and SIMOVERT MASTERDRIVES inverter configuration before transferring 6SE7037-0EJ84-1JC2 to that duty.

Q7 What maintenance evidence is required after 6SE7037-0EJ84-1JC2 is used for Industrial inverter restoration?

Retain the nameplate record, corrective action, final diagnostics and a controlled industrial inverter restoration functional-test result for 6SE7037-0EJ84-1JC2.

Q8 How should 6SE7037-0EJ84-1JC2 be returned to service in MASTERDRIVES retrofit verification?

Restore power under control, verify supports the documented ac and dc-link ranges, exercise the intended signal path and release 6SE7037-0EJ84-1JC2 only after the SIMOVERT MASTERDRIVES inverter remains in its approved operating state.

SOURCE Siemens SIMOVERT MASTERDRIVES operating instructions | 6SE70 inverter documentation

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