

INDUSTRIAL AUTOMATION PRODUCT

6SE7037-0EJ84-1JC2

SIMOVERT MASTERDRIVES IGD7 inverter control module

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

IDENTITY	VERIFIED VALUE
Manufacturer	Siemens
System family	SIMOVERT MASTERDRIVES inverter
Part number	6SE7037-0EJ84-1JC2
Country	Germany
HS code	8537101190

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Technical Specifications

Technical values below are limited to the named Siemens product record.

PARAMETER	TECHNICAL VALUE
Order number	6SE7037-0EJ84-1JC2
Module designation	IGD7
Equipment role	Inverter control
Supply system	3 AC
Rated line-voltage range	380 to 460 V AC
Rated frequency	50/60 Hz
DC-link range	510 to 620 V DC

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	Compatible SIMOVERT inverter power section
Companion hardware	Drive control unit
Field connection	Gate-drive and feedback connections
Primary system function	Drives the assigned inverter power stage
Controlled acceptance duty	High-power motor drives

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System Role and Architecture

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

FUNCTION 1

Drives the assigned inverter power stage

FUNCTION 2

Processes inverter status and protection feedback

FUNCTION 3

Supports the documented AC and DC-link ranges

FUNCTION 4

Retains the IGD7 hardware identity during service

Matched system components

- Compatible SIMOVERT inverter power section
- Drive control unit
- Gate-drive and feedback connections
- Approved 6SE70 parameter set

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	Compatible SIMOVERT inverter power section
Companion hardware	Drive control unit
Field connection	Gate-drive and feedback connections
Primary system function	Drives the assigned inverter power stage
Controlled acceptance duty	High-power motor drives

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Applications and Engineering Context

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

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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	6SE7037-0EJ84-1JC2 / 6SE7037-0EJ84-1JC2 recorded
Physical interface	Compatible SIMOVERT inverter power section
Companion check	Drive control unit
Functional proof	Drives the assigned inverter power stage
Application test	High-power motor drives

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Engineering 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.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
6ES7288-5AE01-0AA0	Related Siemens product	View 6ES7288-5AE01-0AA0 page
6ES7288-5DT04-0AA0	Related Siemens product	View 6ES7288-5DT04-0AA0 page
6ES7288-5CM01-0AA0	Related Siemens product	View 6ES7288-5CM01-0AA0 page
6ES7288-3AT04-0AA0	Related Siemens product	View 6ES7288-3AT04-0AA0 page
6ES7288-3AR04-0AA0	Related Siemens product	View 6ES7288-3AR04-0AA0 page
6ES7288-3AR02-0AA0	Related Siemens product	View 6ES7288-3AR02-0AA0 page
6ES7288-3AM06-0AA0	Related Siemens product	View 6ES7288-3AM06-0AA0 page
6ES7288-3AM03-0AA0	Related Siemens product	View 6ES7288-3AM03-0AA0 page

MANUFACTURER SOURCE RECORD

Siemens SIMOVERT MASTERDRIVES operating instructions

6SE70 inverter documentation

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