

INDUSTRIAL AUTOMATION PRODUCT

6SE7035-1EJ84-1JC2

SIMOVERT MASTERDRIVES IGD7 inverter gating module

It controls the inverter gate signals in the documented 510 A SIMOVERT MASTERDRIVES power unit.

IDENTITY	VERIFIED VALUE
Manufacturer	Siemens
System family	SIMOVERT MASTERDRIVES 380-460 V inverter hardware
Part number	6SE7035-1EJ84-1JC2
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
Article number	6SE7035-1EJ84-1JC2
Module designation	IGD7
Equipment class	Inverter control module
AC device voltage	380-460 V 3 AC
AC frequency	50/60 Hz
DC-link voltage	510-620 V DC
Device current	510 A
Package size	69.4 x 34.5 x 5.2 cm

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	510 A SIMOVERT MASTERDRIVES power section
Companion hardware	IGD7 gate-drive harness
Field connection	matching control electronics
Primary system function	Provides the IGD7 gate-control function
Controlled acceptance duty	High-current inverter repair

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System Role and Architecture

It controls the inverter gate signals in the documented 510 A SIMOVERT MASTERDRIVES power unit.

FUNCTION 1

Provides the IGD7 gate-control function

FUNCTION 2

Matches 380-460 V three-phase converter hardware

FUNCTION 3

Supports a 510-620 V DC-link section

FUNCTION 4

Interfaces a documented 510 A inverter power stage

Matched system components

- 510 A SIMOVERT MASTERDRIVES power section
- IGD7 gate-drive harness
- matching control electronics
- converter cooling and protection circuits

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	510 A SIMOVERT MASTERDRIVES power section
Companion hardware	IGD7 gate-drive harness
Field connection	matching control electronics
Primary system function	Provides the IGD7 gate-control function
Controlled acceptance duty	High-current inverter repair

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Applications and Engineering Context

High-current inverter repair

Provides the IGD7 gate-control function

Gate-drive channel verification

Matches 380-460 V three-phase converter hardware

MASTERDRIVES power-stack replacement

Supports a 510-620 V DC-link section

Controlled motor-drive recommissioning

Interfaces a documented 510 A inverter power stage

TECHNICAL NOTE

Verify DC-link discharge and the 510 A power-section identity, preserve every gate and feedback connector, inspect cooling hardware, and test pulse inhibition before enabling torque.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	6SE7035-1EJ84-1JC2 / 6SE7035-1EJ84-1JC2 recorded
Physical interface	510 A SIMOVERT MASTERDRIVES power section
Companion check	IGD7 gate-drive harness
Functional proof	Provides the IGD7 gate-control function
Application test	High-current inverter repair

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Engineering Precautions

- 1 Verify the complete 6SE7035-1EJ84-1JC2 marking and its documented SIMOVERT MASTERDRIVES 380-460 V inverter hardware position before field work.
- 2 Place the connected equipment in the approved maintenance state before removing 6SE7035-1EJ84-1JC2.
- 3 Isolate every applicable power, signal and stored-energy source, then prove a safe state at 6SE7035-1EJ84-1JC2.
- 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.

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 SiePortal product record

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