

6SE7035-1EJ84-1JC2

SIMOVERT MASTERDRIVES IGD7 inverter gating module

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

PRODUCT SNAPSHOT

BRAND

Siemens

FAMILY

SIMOVERT MASTERDRIVES 380-460 V inverter h

PART

6SE7035-1EJ84-1JC2

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PRODUCT OVERVIEW

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

1

Provides the IGD7 gate-control function

2

Matches 380-460 V three-phase converter hardware

3

Supports a 510-620 V DC-link section

4

Interfaces a documented 510 A inverter power stage

SYSTEM COMPONENTS

510 A SIMOVERT MASTERDRIVES power section

IGD7 gate-drive harness

matching control electronics

converter cooling and protection circuits

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.

TECHNICAL DATA

PARAMETER	VALUE
Article number	6SE7035-1EJ84-1JC2
Module designation	IGD7
Equipment class	Inverter control module
AC device voltage	380-460 V 3 AC

PARAMETER	VALUE
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

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-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

PRODUCT 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.
- 6 Restore only the approved SIMOVERT MASTERDRIVES 380-460 V inverter hardware hardware arrangement and configuration after replacement.
- 7 Energize 6SE7035-1EJ84-1JC2 in the documented sequence and review local, host and network diagnostics.
- 8 Prove the intended controlled function and retain the final acceptance record before production release.

ENGINEER FAQ

Q1 Does 6SE7035-1EJ84-1JC2 match 510 A SIMOVERT MASTERDRIVES power section in a High-current inverter repair installation?

Verify the complete 6SE7035-1EJ84-1JC2 marking, the documented SIMOVERT MASTERDRIVES 380-460 V inverter hardware position and the installed 510 A SIMOVERT MASTERDRIVES power section before fitting the assembly.

Q3 Which SIMOVERT MASTERDRIVES 380-460 V inverter hardware records should be captured before removing 6SE7035-1EJ84-1JC2?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 6SE7035-1EJ84-1JC2 before disconnection.

Q5 Which IGD7 gate-drive harness condition should be checked when 6SE7035-1EJ84-1JC2 reports an abnormal state?

Check the IGD7 gate-drive harness supply, seating and connection first, then compare channel diagnostics with the recorded 6SE7035-1EJ84-1JC2 baseline.

Q7 What maintenance evidence is required after 6SE7035-1EJ84-1JC2 is used for MASTERDRIVES power-stack replacement?

Retain the nameplate record, corrective action, final diagnostics and a controlled masterdrives power-stack replacement functional-test result for 6SE7035-1EJ84-1JC2.

Q2 How should 6SE7035-1EJ84-1JC2 be wired when it must provides the igd7 gate-control function?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 6SE7035-1EJ84-1JC2; then continuity-test the affected path.

Q4 What controlled test confirms that 6SE7035-1EJ84-1JC2 can matches 380-460 v three-phase converter hardware?

Apply the approved field or simulated stimulus, observe the SIMOVERT MASTERDRIVES 380-460 V inverter hardware indication and confirm the intended response without bypassing the normal interlocks.

Q6 Can 6SE7035-1EJ84-1JC2 be moved directly into Gate-drive channel verification without validating converter cooling and protection circuits?

No. Confirm the converter cooling and protection circuits, revision, connection scheme and SIMOVERT MASTERDRIVES 380-460 V inverter hardware configuration before transferring 6SE7035-1EJ84-1JC2 to that duty.

Q8 How should 6SE7035-1EJ84-1JC2 be returned to service in Controlled motor-drive recommissioning?

Restore power under control, verify supports a 510-620 v dc-link section, exercise the intended signal path and release 6SE7035-1EJ84-1JC2 only after the SIMOVERT MASTERDRIVES 380-460 V inverter hardware remains in its approved operating state.

SOURCE Siemens SiePortal product record | 6SE7035-1EJ84-1JC2

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