

6SE7035-1EJ84-1JC2

SIMOVERT MASTERDRIVES IGD7 inverter gating module

CONTROLLED ENGINEERING COPY

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.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	6SE7035-1EJ84-1JC2
Manufacturer part	6SE7035-1EJ84-1JC2
Hardware type	6SE7035-1EJ84-1JC2
System family	SIMOVERT MASTERDRIVES 380-460 V inverter hardware



APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



01 PRE-INSTALLATION PLAN

- 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.

MATCHED HARDWARE

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

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
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

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED 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

SYSTEM CONNECTION RECORD

CONNECTION ITEM	DOCUMENTED 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

FIELD 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.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	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

04 RETURN-TO-SERVICE RECORD

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

VERIFICATION RECORD

PRODUCT IDENTITY	6SE7035-1EJ84-1JC2
INSTALLED POSITION	Documented SIMOVERT MASTERDRIVES 380-460 V inverter hardware position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
6ES7288-3AQ04-0AA0	Related Siemens product	View 6ES7288-3AQ04-0AA0 page
6ES7288-3AE04-0AA0	Related Siemens product	View 6ES7288-3AE04-0AA0 page
6ES7288-2QT16-0AA0	Related Siemens product	View 6ES7288-2QT16-0AA0 page
6ES7288-2QR16-0AA0	Related Siemens product	View 6ES7288-2QR16-0AA0 page
6ES7288-2DT32-0AA0	Related Siemens product	View 6ES7288-2DT32-0AA0 page
6ES7288-2DR32-0AA0	Related Siemens product	View 6ES7288-2DR32-0AA0 page
6ES7288-2DT16-0AA0	Related Siemens product	View 6ES7288-2DT16-0AA0 page
6ES7288-2DT08-0AA0	Related Siemens product	View 6ES7288-2DT08-0AA0 page

SOURCE IDENTIFIERS

Siemens SiePortal product record
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