

6SE7038-6EK84-1JC2

SIMOVERT MASTERDRIVES IGD8 Inverter Control Module

Siemens 6SE7038-6EK84-1JC2 is a SIMOVERT MASTERDRIVES IGD8 Inverter Control Module for the SIMOVERT MASTERDRIVES. It performs the documented IGD8 inverter-control module for the documented DC-link drive execution within the matched drive configuration.

BRAND	Siemens	FAMILY	SIMOVERT MASTERDRIVES
PART	6SE7038-6EK84-1JC2	SYSTEM ROLE	Provides the documented IGD8 inverter-control module for the documented DC-link drive execution

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6SE7038-6EK84-1JC2

MANUFACTURER SOURCE RECORD

Siemens Industry Mall Product Datasheet
6SE7038-6EK84-1JC2, 20 February 2020

Product Overview

SYSTEM FUNCTION

Siemens 6SE7038-6EK84-1JC2 is a SIMOVERT MASTERDRIVES IGD8 Inverter Control Module for the SIMOVERT MASTERDRIVES. It performs the documented IGD8 inverter-control module for the documented DC-link drive execution within the matched drive configuration.

FUNCTION 1

Provides the documented IGD8 inverter-control module for the documented DC-link drive execution

FUNCTION 2

Uses exact article identity 6SE7038-6EK84-1JC2 for replacement control

FUNCTION 3

Integrates with the matched SIMOVERT MASTERDRIVES hardware

FUNCTION 4

Supports controlled diagnostics and functional verification after installation

System Components

COMPONENT	DOCUMENTED ROLE
Host / carrier	SIMOVERT MASTERDRIVES
Primary interface	Provides the documented IGD8 inverter-control module for the documented DC-link drive execution
Engineering context	The component is used with the exact host, connectors, power interfaces and configuration identified for 6SE7038-6EK84-1JC2. Commissioning preserves the installed architecture and verifies controlled drive response.
Commissioning duty	Complete a controlled no-load or safe-point functional test before returning the machine to service.

TECHNICAL NOTE

Install 6SE7038-6EK84-1JC2 only in the documented SIMOVERT MASTERDRIVES position. Preserve the as-found wiring, hardware revision and configuration, then verify diagnostics and the affected IGD8 inverter-control module for the documented DC-link drive execution under controlled conditions.

Technical Data

PARAMETER	VALUE	PARAMETER	VALUE
Module type	IGD8 inverter control module	Documented current class	860 A
DC device range	510 to 620 V DC		

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
6SE7041-8EK85-0LA0	product page	View 6SE7041-8EK85-0LA0 page
6SE7035-1EJ84-1JC2	product page	View 6SE7035-1EJ84-1JC2 page
6RY1803-0CM20	product page	View 6RY1803-0CM20 page
C98043-A7107-L4	product page	View C98043-A7107-L4 page
6RY1803-0DB02	product page	View 6RY1803-0DB02 page
6SL3200-0SP06-0AA0	product page	View 6SL3200-0SP06-0AA0 page
6SL3985-6TM00-0AA0	product page	View 6SL3985-6TM00-0AA0 page
6SL3120-2TE21-8AD0	product page	View 6SL3120-2TE21-8AD0 page

ENGINEERING BOUNDARY

Confirm 6SE7038-6EK84-1JC2, SIMOVERT MASTERDRIVES host, hardware revision, connectors and terminals, power class, feedback or fieldbus options, grounding, cooling, firmware or parameter set, accessories and controlled commissioning results before service release.

Applications and Precautions

Common Applications

SIMOVERT MASTERDRIVES planned maintenance

Restores the documented IGD8 inverter-control module for the documented DC-link drive execution during a controlled cabinet service.

SIMOVERT MASTERDRIVES IGD8 Inverter Control Module replacement

Uses the exact 6SE7038-6EK84-1JC2 identity to avoid an adjacent hardware execution.

Drive-system refurbishment

Preserves the recorded power, control, communication and protective-earth arrangement.

Controlled recommissioning

Confirms diagnostics and the affected drive function before automatic operation.

Product Precautions

- 1

Confirm the complete 6SE7038-6EK84-1JC2 marking and the installed SIMOVERT MASTERDRIVES position.
- 2

Place the driven machine and associated process in the approved maintenance state.
- 3

Isolate incoming power, prove stored DC-link energy discharged and use ESD controls.
- 4

Record every power, control, feedback, communication and protective-earth connection before removal.
- 5

Verify the installed host hardware and all values documented for 6SE7038-6EK84-1JC2 against the official source.
- 6

Restore the approved hardware execution, connector arrangement and project or parameter record.
- 7

Energize in the prescribed sequence and review drive, board and communication diagnostics.
- 8

Complete a controlled no-load or safe-point functional test before returning the machine to service.

IMPORTANT NOTICE

Confirm 6SE7038-6EK84-1JC2, SIMOVERT MASTERDRIVES host, hardware revision, connectors and terminals, power class, feedback or fieldbus options, grounding, cooling, firmware or parameter set, accessories and controlled commissioning results before service release.

ACCEPTANCE CHECK	REQUIRED EVIDENCE
Identity	6SE7038-6EK84-1JC2
Configuration	Energize in the prescribed sequence and review drive, board and communication diagnostics.
Functional release	Complete a controlled no-load or safe-point functional test before returning the machine to service.

Engineer FAQ

Q1 How is 6SE7038-6EK84-1JC2 identified?

Match the complete article number, SIMOVERT MASTERDRIVES IGD8 Inverter Control Module designation and IGD8 inverter control module.

Q3 What records are retained before removing 6SE7038-6EK84-1JC2?

Record power, control, feedback, communication and PE connections.

Q5 Which official values govern 6SE7038-6EK84-1JC2?

Module type: IGD8 inverter control module; DC device range: 510 to 620 V DC; Documented current class: 860 A.

Q7 Which diagnostics follow 6SE7038-6EK84-1JC2 energization?

Review drive, board and communication diagnostics in the prescribed startup sequence.

Q2 Which host is required for 6SE7038-6EK84-1JC2?

Use only the documented SIMOVERT MASTERDRIVES execution with matching interfaces.

Q4 How is 6SE7038-6EK84-1JC2 isolated safely?

Secure the machine, isolate supplies, prove the DC link discharged and use ESD controls.

Q6 How is 6SE7038-6EK84-1JC2 configuration restored?

Restore the approved hardware execution, connectors and parameter or project record.

Q8 What releases 6SE7038-6EK84-1JC2 to service?

A controlled safe-point functional test with the expected drive response.

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