

# 6SE7031-5EF84-1JC1

## SIMOVERT MASTERDRIVES Inverter Triggering Module

Siemens 6SE7031-5EF84-1JC1 is a SIMOVERT MASTERDRIVES Inverter Triggering Module for the SIMOVERT MASTERDRIVES. It performs the documented inverter-triggering module for the exact documented drive hardware within the matched drive configuration.

|       |                    |             |                                                                                            |
|-------|--------------------|-------------|--------------------------------------------------------------------------------------------|
| BRAND | Siemens            | FAMILY      | SIMOVERT MASTERDRIVES                                                                      |
| PART  | 6SE7031-5EF84-1JC1 | SYSTEM ROLE | Provides the documented inverter-triggering module for the exact documented drive hardware |

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6SE7031-5EF84-1JC1

### MANUFACTURER SOURCE RECORD

Siemens Industry Mall Product Record  
6SE7031-5EF84-1JC1

# Product Overview

## SYSTEM FUNCTION

Siemens 6SE7031-5EF84-1JC1 is a SIMOVERT MASTERDRIVES Inverter Triggering Module for the SIMOVERT MASTERDRIVES. It performs the documented inverter-triggering module for the exact documented drive hardware within the matched drive configuration.

### FUNCTION 1

Provides the documented inverter-triggering module for the exact documented drive hardware

### FUNCTION 2

Uses exact article identity 6SE7031-5EF84-1JC1 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 inverter-triggering module for the exact documented drive hardware                                                                                                                              |
| Engineering context | The component is used with the exact host, connectors, power interfaces and configuration identified for 6SE7031-5EF84-1JC1. 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 6SE7031-5EF84-1JC1 only in the documented SIMOVERT MASTERDRIVES position. Preserve the as-found wiring, hardware revision and configuration, then verify diagnostics and the affected inverter-triggering module for the exact documented drive hardware under controlled conditions.

# Technical Data

| PARAMETER      | VALUE                      | PARAMETER    | VALUE                 |
|----------------|----------------------------|--------------|-----------------------|
| Module type    | Inverter triggering module | Drive family | SIMOVERT MASTERDRIVES |
| Article number | 6SE7031-5EF84-1JC1         |              |                       |

## Related Products on Apter Power

| MODEL              | SYSTEM ROLE  | APTER POWER PAGE                             |
|--------------------|--------------|----------------------------------------------|
| 6SE7037-0EJ84-1JC2 | product page | <a href="#">View 6SE7037-0EJ84-1JC2 page</a> |
| 6SE7036-1EE85-1HA0 | product page | <a href="#">View 6SE7036-1EE85-1HA0 page</a> |
| 6SE7090-0XX84-1CE0 | product page | <a href="#">View 6SE7090-0XX84-1CE0 page</a> |
| 6SE7031-7HG84-1JC2 | product page | <a href="#">View 6SE7031-7HG84-1JC2 page</a> |
| 6SE7031-7HG84-1JC1 | product page | <a href="#">View 6SE7031-7HG84-1JC1 page</a> |
| 6SL3300-1AH32-5BA0 | product page | <a href="#">View 6SL3300-1AH32-5BA0 page</a> |
| 6SE7041-8GK85-0LA0 | product page | <a href="#">View 6SE7041-8GK85-0LA0 page</a> |
| 6SE7041-8EK85-1MA0 | product page | <a href="#">View 6SE7041-8EK85-1MA0 page</a> |

### ENGINEERING BOUNDARY

Confirm 6SE7031-5EF84-1JC1, 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 inverter-triggering module for the exact documented drive hardware during a controlled cabinet service.

### SIMOVERT MASTERDRIVES Inverter Triggering Module replacement

Uses the exact 6SE7031-5EF84-1JC1 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 6SE7031-5EF84-1JC1 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 6SE7031-5EF84-1JC1 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 6SE7031-5EF84-1JC1, 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           | 6SE7031-5EF84-1JC1                                                                                   |
| 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 6SE7031-5EF84-1JC1 identified?

Match the complete article number, SIMOVERT MASTERDRIVES Inverter Triggering Module designation and Inverter triggering module.

## Q3 What records are retained before removing 6SE7031-5EF84-1JC1?

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

## Q5 Which official values govern 6SE7031-5EF84-1JC1?

Module type: Inverter triggering module; Article number: 6SE7031-5EF84-1JC1; Drive family: SIMOVERT MASTERDRIVES.

## Q7 Which diagnostics follow 6SE7031-5EF84-1JC1 energization?

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

## Q2 Which host is required for 6SE7031-5EF84-1JC1?

Use only the documented SIMOVERT MASTERDRIVES execution with matching interfaces.

## Q4 How is 6SE7031-5EF84-1JC1 isolated safely?

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

## Q6 How is 6SE7031-5EF84-1JC1 configuration restored?

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

## Q8 What releases 6SE7031-5EF84-1JC1 to service?

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

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