

## 6SE7037-0EJ84-1JC2

### SIMOVERT MASTERDRIVES IGD7 inverter control module

CONTROLLED ENGINEERING COPY

Verify the full 6SE7037-0EJ84-1JC2 marking and inverter host, isolate mains and DC-link energy, preserve control connections, and test gating, feedback and fault response without load before production.

| INSTALLATION IDENTITY | REQUIRED VALUE                 |
|-----------------------|--------------------------------|
| Complete model        | 6SE7037-0EJ84-1JC2             |
| Manufacturer part     | 6SE7037-0EJ84-1JC2             |
| Hardware type         | 6SE7037-0EJ84-1JC2             |
| System family         | SIMOVERT MASTERDRIVES inverter |



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# 01 PRE-INSTALLATION PLAN

- 1

Verify the complete 6SE7037-0EJ84-1JC2 marking and the assigned SIMOVERT MASTERDRIVES inverter position before work.
- 2

Place the connected machine or process in the approved maintenance state before disturbing 6SE7037-0EJ84-1JC2.
- 3

Isolate the applicable power and field energy, then confirm a safe state before disconnecting 6SE7037-0EJ84-1JC2.
- 4

Record connector, conductor, slot and configuration identities before removal of 6SE7037-0EJ84-1JC2.
- 5

Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies during handling.

## MATCHED HARDWARE

- Compatible SIMOVERT inverter power section
- Drive control unit
- Gate-drive and feedback connections
- Approved 6SE70 parameter set

## INSTALLATION CONTROL RECORD

| CONTROL ITEM       | REQUIRED RECORD                                  |
|--------------------|--------------------------------------------------|
| Identity           | 6SE7037-0EJ84-1JC2 / 6SE7037-0EJ84-1JC2 recorded |
| Physical interface | Compatible SIMOVERT inverter power section       |
| Companion check    | Drive control unit                               |
| Functional proof   | Drives the assigned inverter power stage         |
| Application test   | High-power motor drives                          |

## 02 WIRING & INTERFACE CHECKS

| CHECK ITEM               | REQUIRED VALUE     |
|--------------------------|--------------------|
| Order number             | 6SE7037-0EJ84-1JC2 |
| Module designation       | IGD7               |
| Equipment role           | Inverter control   |
| Supply system            | 3 AC               |
| Rated line-voltage range | 380 to 460 V AC    |
| Rated frequency          | 50/60 Hz           |
| DC-link range            | 510 to 620 V DC    |

### SYSTEM CONNECTION RECORD

| CONNECTION ITEM            | DOCUMENTED ASSIGNMENT                      |
|----------------------------|--------------------------------------------|
| Installed host / carrier   | Compatible SIMOVERT inverter power section |
| Companion hardware         | Drive control unit                         |
| Field connection           | Gate-drive and feedback connections        |
| Primary system function    | Drives the assigned inverter power stage   |
| Controlled acceptance duty | High-power motor drives                    |

#### FIELD NOTE

Verify the full 6SE7037-0EJ84-1JC2 marking and inverter host, isolate mains and DC-link energy, preserve control connections, and test gating, feedback and fault response without load before production.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

| EVIDENCE ITEM      | ACCEPTANCE CONDITION                             |
|--------------------|--------------------------------------------------|
| Identity           | 6SE7037-0EJ84-1JC2 / 6SE7037-0EJ84-1JC2 recorded |
| Physical interface | Compatible SIMOVERT inverter power section       |
| Companion check    | Drive control unit                               |
| Functional proof   | Drives the assigned inverter power stage         |
| Application test   | High-power motor drives                          |

## 04 RETURN-TO-SERVICE RECORD

- ☐ Confirm that the installed companion hardware and approved project match the 6SE7037-0EJ84-1JC2 arrangement.
- ☐ Restore power in a controlled sequence and review device, rack and host diagnostics.
- ☐ Prove the intended function and retain the final test result before returning 6SE7037-0EJ84-1JC2 to service.
- ☐ Confirm the intended process response before normal operation.

### VERIFICATION RECORD

|                     |                                                    |
|---------------------|----------------------------------------------------|
| PRODUCT IDENTITY    | 6SE7037-0EJ84-1JC2                                 |
| INSTALLED POSITION  | Documented SIMOVERT MASTERDRIVES inverter 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 | <a href="#">View 6ES7288-3AQ04-0AA0 page</a> |
| 6ES7288-3AE04-0AA0 | Related Siemens product | <a href="#">View 6ES7288-3AE04-0AA0 page</a> |
| 6ES7288-2QT16-0AA0 | Related Siemens product | <a href="#">View 6ES7288-2QT16-0AA0 page</a> |
| 6ES7288-2QR16-0AA0 | Related Siemens product | <a href="#">View 6ES7288-2QR16-0AA0 page</a> |
| 6ES7288-2DT32-0AA0 | Related Siemens product | <a href="#">View 6ES7288-2DT32-0AA0 page</a> |
| 6ES7288-2DR32-0AA0 | Related Siemens product | <a href="#">View 6ES7288-2DR32-0AA0 page</a> |
| 6ES7288-2DT16-0AA0 | Related Siemens product | <a href="#">View 6ES7288-2DT16-0AA0 page</a> |
| 6ES7288-2DT08-0AA0 | Related Siemens product | <a href="#">View 6ES7288-2DT08-0AA0 page</a> |

### SOURCE IDENTIFIERS

Siemens SIMOVERT MASTERDRIVES operating instructions

6SE70 inverter documentation

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