

# 6SE7041-2WL84-1JC1

## SIMOVER MASTERDRIVES IGD9 Inverter Gating Module

INSTALLATION, INTERFACE AND VALIDATION WORKBOOK

Siemens 6SE7041-2WL84-1JC1 is an IGD9 inverter gating module for the documented 675 to 930 V DC, 1230 A SIMOVER MASTERDRIVES execution. It restores the specified control or power-interface function inside the matched Siemens drive assembly.

| STEP | GATE     | ENGINEERING PURPOSE                |
|------|----------|------------------------------------|
| 01   | IDENTIFY | Confirm article, host and hardware |
| 02   | ISOLATE  | Secure power and stored energy     |
| 03   | CONNECT  | Restore documented interfaces      |
| 04   | VALIDATE | Prove diagnostics and function     |

### WORKBOOK PURPOSE

Field-ready identity, isolation, connection, commissioning and closeout records for this exact Siemens article.

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# Installation Readiness Gate

Complete the identity, host-system and isolation checks before disturbing the installed hardware.

- 1 Confirm the complete 6SE7041-2WL84-1JC1 marking and installed drive record before work.
- 2 Place the drive, motor and associated process in the approved maintenance state.
- 3 Isolate incoming power and prove the DC link and all stored energy discharged.
- 4 Record every connector, terminal, busbar, cable and protective-earth position before removal.

## Pre-Work Evidence

| EVIDENCE ITEM            | RECORDED VALUE                                                                                          |
|--------------------------|---------------------------------------------------------------------------------------------------------|
| Complete article marking | 6SE7041-2WL84-1JC1                                                                                      |
| Host / carrier           | Siemens SINAMICS or SIMOVERT drive power-electronics system                                             |
| Primary system role      | Provides the documented igd9 inverter gating module function                                            |
| Acceptance boundary      | Complete controlled interlock, output and machine-function tests before returning the drive to service. |
| Source record            | Siemens product record for 6SE7041-2WL84-1JC1                                                           |

## WORK AUTHORIZATION RECORD

Work order: \_\_\_\_\_ Drawing / revision: \_\_\_\_\_  
 Checked by: \_\_\_\_\_ Date: \_\_\_\_\_

## Isolation and Access Register

| CONTROL POINT     | ENGINEER RECORD        |
|-------------------|------------------------|
| Incoming supply   | Isolated / proved      |
| Stored energy     | Discharged / proved    |
| Field connections | Identified / protected |
| ESD control       | Established / recorded |

## Pre-Work Documentation

| DOCUMENT              | ENGINEER RECORD      |
|-----------------------|----------------------|
| Connection photograph | Reference / file     |
| Configuration backup  | Reference / revision |
| Diagnostic baseline   | Reference / result   |

# Connection and Installation Sequence

## INSTALLATION PRINCIPLE

Before removing 6SE7041-2WL84-1JC1, record the complete drive identity, hardware version, mating connectors, power interfaces, grounding and configuration. Restore the exact Siemens arrangement, review diagnostics and complete controlled drive and machine tests before release.

- 1

Use ESD controls and protect all board and module interfaces from contamination or mechanical load.
- 2

Install only the documented igd9 inverter gating module execution and restore the recorded hardware arrangement.
- 3

Restore the approved firmware, parameters and project configuration, then review all drive diagnostics.
- 4

Complete controlled interlock, output and machine-function tests before returning the drive to service.

## Connection Record

| CONNECTION GROUP         | AS-FOUND / AS-LEFT RECORD | STATUS  |
|--------------------------|---------------------------|---------|
| Power / field connection | Reference / terminal      | Checked |
| Signal / interface       | Reference / connector     | Checked |
| Ground / shield          | Reference / point         | Checked |
| Accessory / carrier      | Reference / part          | Checked |

## MODEL-SPECIFIC RELEASE LIMIT

Confirm 6SE7041-2WL84-1JC1, the complete Siemens drive type, hardware revision, igd9 inverter gating module position, connectors and terminals, DC-link isolation, cooling, protective grounding, firmware, parameter set and controlled interlock and functional-test results before commissioning.

## Interface Acceptance Criteria

| ACCEPTANCE ITEM     | REQUIRED EVIDENCE                                                                                                |
|---------------------|------------------------------------------------------------------------------------------------------------------|
| Identity            | 6SE7041-2WL84-1JC1                                                                                               |
| Host match          | Siemens SINAMICS or SIMOVERT drive power-electronics system                                                      |
| Connection proof    | Install only the documented igd9 inverter gating module execution and restore the recorded hardware arrangement. |
| Configuration proof | Restore the approved firmware, parameters and project configuration, then review all drive diagnostics.          |

# Commissioning and Acceptance Record

Record each controlled verification step before the equipment returns to automatic operation.

| NO. | ACCEPTANCE CHECK              | RESULT      | RECORD         |
|-----|-------------------------------|-------------|----------------|
| 1   | Article and host identity     | PASS / FAIL | Initial / date |
| 2   | Mechanical installation       | PASS / FAIL | Initial / date |
| 3   | Power and field wiring        | PASS / FAIL | Initial / date |
| 4   | Grounding and shielding       | PASS / FAIL | Initial / date |
| 5   | Configuration restoration     | PASS / FAIL | Initial / date |
| 6   | Signal or power-path response | PASS / FAIL | Initial / date |
| 7   | Diagnostics and alarms        | PASS / FAIL | Initial / date |
| 8   | Final functional release      | PASS / FAIL | Initial / date |

## Engineering Notes

| RECORD AREA             | ENGINEER ENTRY |
|-------------------------|----------------|
| As-found condition      |                |
| Corrective action       |                |
| As-left configuration   |                |
| Outstanding restriction |                |
| Release authorization   |                |

### CONTROLLED COMMISSIONING

Complete controlled interlock, output and machine-function tests before returning the drive to service.

## Diagnostics and Release Log

| EVENT                        | ENGINEERING RECORD   |
|------------------------------|----------------------|
| Initial energization         | Result / observation |
| Interface or signal response | Result / observation |
| Alarm and diagnostic review  | Result / observation |
| Functional release           | Name / date          |

### ACCEPTANCE AND RELEASE EVIDENCE

#### 6SE7041-2WL84-1JC1 installed-system service

**6SE7041-2WL84-1JC1 controlled replacement**  
Uses exact identity and hardware records to prevent a neighboring execution from entering the installation.

#### 6SE7041-2WL84-1JC1 cabinet refurbishment

Preserves the recorded connector, terminal and protective-ground arrangement during planned maintenance.

#### 6SE7041-2WL84-1JC1 recommissioning

Provides the product-specific reference for diagnostic review and functional acceptance before release.

## Maintenance Verification and Closeout

### 6SE7041-2WL84-1JC1 installed-system service

Restores the documented igd9 inverter gating module position without changing the approved Siemens SINAMICS or SIMOVERT drive power-electronics system architecture.

### 6SE7041-2WL84-1JC1 cabinet refurbishment

Preserves the recorded connector, terminal and protective-ground arrangement during planned maintenance.

### 6SE7041-2WL84-1JC1 controlled replacement

Uses exact identity and hardware records to prevent a neighboring execution from entering the installation.

### 6SE7041-2WL84-1JC1 recommissioning

Provides the product-specific reference for diagnostic review and functional acceptance before release.

## Related Engineering Pages

| MODEL              | ENGINEERING ROLE         | APTER POWER PAGE                             |
|--------------------|--------------------------|----------------------------------------------|
| 6SL3320-1TE33-1AA3 | Motor Module             | <a href="#">View 6SL3320-1TE33-1AA3 page</a> |
| 6SL3362-0AG00-0AA1 | SINAMICS component       | <a href="#">View 6SL3362-0AG00-0AA1 page</a> |
| 6SL3055-0AA00-5CA2 | SMC30 Sensor Module      | <a href="#">View 6SL3055-0AA00-5CA2 page</a> |
| 6SL3120-1TE21-8AA4 | Single Motor Module      | <a href="#">View 6SL3120-1TE21-8AA4 page</a> |
| 6SL3120-1TE21-8AA3 | Single Motor Module      | <a href="#">View 6SL3120-1TE21-8AA3 page</a> |
| 6SL3100-0BE23-6AB0 | Active Interface Module  | <a href="#">View 6SL3100-0BE23-6AB0 page</a> |
| 6SL3246-0BA22-1FA0 | CU250S-2 PN Control Unit | <a href="#">View 6SL3246-0BA22-1FA0 page</a> |
| 6SL3120-2TE21-0AA4 | Motor Module             | <a href="#">View 6SL3120-2TE21-0AA4 page</a> |

## MANUFACTURER SOURCE RECORD

Siemens product record for 6SE7041-2WL84-1JC1  
Siemens SiePortal / Industry Mall product record and applicable drive equipment manual

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