

# A5E36717808

## SINAMICS IGD2/R4 Power-block Board

### INSTALLATION, INTERFACE AND VALIDATION WORKBOOK

Siemens A5E36717808 is a service component handled within the documented SINAMICS Power Block hardware-maintenance workflow. Its installation must be matched to the complete power-unit nameplate, hardware revision, connector arrangement and approved Siemens documentation.

| 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 A5E36717808 marking and the installed SINAMICS power-unit nameplate.
- 2

Isolate incoming power, lock out the drive and prove the DC link discharged.
- 3

Record every busbar, semiconductor, gate-drive, sensor and cooling connection.
- 4

Use ESD controls and protect all control connectors and insulation surfaces.

## Pre-Work Evidence

| EVIDENCE ITEM            | RECORDED VALUE                                                                  |
|--------------------------|---------------------------------------------------------------------------------|
| Complete article marking | A5E36717808                                                                     |
| Host / carrier           | SINAMICS Power Block                                                            |
| Primary system role      | Preserves the complete Siemens article identifier                               |
| Acceptance boundary      | Energize in stages and verify power-unit diagnostics before enabling the motor. |
| Source record            | Siemens COMPAS product and price record                                         |

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

Isolate the complete drive supply and prove the DC link discharged before installing A5E36717808. Record the host revision and all power, control, cooling and protective-conductor connections; complete staged diagnostics before motor operation.

- 1 Match hardware revision, connector coding and mechanical interfaces to the as-found assembly.
- 2 Restore protective grounding, shielding, cooling paths and cabinet clearances.
- 3 Reload only the approved drive project, firmware and parameter backup.
- 4 Energize in stages and verify power-unit diagnostics before enabling the motor.

## 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 A5E36717808, host power-unit designation, hardware revision, power and control interfaces, DC-link discharge, grounding, cooling, firmware, parameter backup and controlled diagnostic results before commissioning.

## Interface Acceptance Criteria

| ACCEPTANCE ITEM     | REQUIRED EVIDENCE                                                              |
|---------------------|--------------------------------------------------------------------------------|
| Identity            | A5E36717808                                                                    |
| Host match          | SINAMICS Power Block                                                           |
| Connection proof    | Restore protective grounding, shielding, cooling paths and cabinet clearances. |
| Configuration proof | Reload only the approved drive project, firmware and parameter backup.         |

# 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

Energize in stages and verify power-unit diagnostics before enabling the motor.

## 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          |

# Maintenance Verification and Closeout

### SINAMICS power-unit repair

Supports an article-controlled service operation in the matching drive cabinet.

### Drive cabinet refurbishment

Provides an exact reference for documenting removed and installed power hardware.

### Power-stage connection restoration

Guides controlled recovery of busbar, gate, sensor and protective-conductor interfaces.

### Post-repair recommissioning

Supports staged diagnostics and motor-enable checks after approved maintenance.

## Related Engineering Pages

| MODEL              | ENGINEERING ROLE    | APTER POWER PAGE                             |
|--------------------|---------------------|----------------------------------------------|
| 6SE7041-8EK85-0HA0 | PER3 interface      | <a href="#">View 6SE7041-8EK85-0HA0 page</a> |
| 6SE7041-8GK85-0HA0 | PER3 interface      | <a href="#">View 6SE7041-8GK85-0HA0 page</a> |
| 6RA8075-6DS22-0AA0 | DC converter        | <a href="#">View 6RA8075-6DS22-0AA0 page</a> |
| 6ES7314-6BH04-0AB0 | S7-300 CPU          | <a href="#">View 6ES7314-6BH04-0AB0 page</a> |
| 6ES7223-1BL22-0XA0 | S7-200 I/O          | <a href="#">View 6ES7223-1BL22-0XA0 page</a> |
| 6AU1455-2AD00-0AA0 | SIMOTION controller | <a href="#">View 6AU1455-2AD00-0AA0 page</a> |
| 6SL3120-2TE21-0AA4 | motor module        | <a href="#">View 6SL3120-2TE21-0AA4 page</a> |
| 6SL3320-1TE33-1AA3 | motor module        | <a href="#">View 6SL3320-1TE33-1AA3 page</a> |

### MANUFACTURER SOURCE RECORD

Siemens COMPAS product and price record  
Siemens COMPAS record identifies A5E36717808

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