

# 6RY1803-0DB02

## Power Interface L05

### INSTALLATION, INTERFACE AND VALIDATION WORKBOOK

Siemens 6RY1803-0DB02 is a power-interface spare part identified as option L05 with board reference C98043-A7107-L4. It restores the documented interface position in 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 6RY1803-0DB02, L05 and C98043-A7107-L4 on the supplied and installed records.
- 2 Place the drive and associated machine in the approved maintenance state.
- 3 Isolate incoming power and prove all stored DC energy discharged.
- 4 Photograph and label every board connector and interface cable before removal.

## Pre-Work Evidence

| EVIDENCE ITEM            | RECORDED VALUE                                                                             |
|--------------------------|--------------------------------------------------------------------------------------------|
| Complete article marking | 6RY1803-0DB02                                                                              |
| Host / carrier           | Siemens drive power-interface spare-part system                                            |
| Primary system role      | Provides the documented power-interface L05 execution                                      |
| Acceptance boundary      | Verify the affected drive function and interlocks before returning the machine to service. |
| Source record            | Siemens product record for 6RY1803-0DB02                                                   |

## 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 6RY1803-0DB02, record the complete marking, installed position, mating hardware, connectors, wiring and configured function. Restore the documented Siemens arrangement, review diagnostics and complete a controlled functional test before release.

- 1

Use ESD controls and inspect mating connectors, board guides and grounding.
- 2

Restore only the documented L05 execution and C98043-A7107-L4 connector arrangement.
- 3

Review drive and interface diagnostics after controlled energization.
- 4

Verify the affected drive function and interlocks before returning the machine 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 6RY1803-0DB02, L05, C98043-A7107-L4, installed Siemens drive type, hardware revision, connectors, control wiring, protective grounding, cooling, firmware, parameters and controlled diagnostic and functional-test results before commissioning.

## Interface Acceptance Criteria

| ACCEPTANCE ITEM     | REQUIRED EVIDENCE                                                                    |
|---------------------|--------------------------------------------------------------------------------------|
| Identity            | 6RY1803-0DB02                                                                        |
| Host match          | Siemens drive power-interface spare-part system                                      |
| Connection proof    | Restore only the documented L05 execution and C98043-A7107-L4 connector arrangement. |
| Configuration proof | Review drive and interface diagnostics after controlled energization.                |

# 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

Verify the affected drive function and interlocks before returning the machine 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          |

# Maintenance Verification and Closeout

### Drive power-interface replacement

Restores the exact interface option recorded for the installed drive.

### Legacy Siemens drive service

Preserves the documented board identity during cabinet maintenance.

### Drive cabinet refurbishment

Provides the model and board-reference pair used for connection verification.

### Controlled drive recommissioning

Supports identity, connector and diagnostic checks before motor operation.

## Related Engineering Pages

| MODEL              | ENGINEERING ROLE      | APTER POWER PAGE                             |
|--------------------|-----------------------|----------------------------------------------|
| 6SE7041-8HK85-1HA0 | PER2 interface        | <a href="#">View 6SE7041-8HK85-1HA0 page</a> |
| 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 | SINAMICS 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 module     | <a href="#">View 6ES7223-1BL22-0XA0 page</a> |
| 6AU1455-2AD00-0AA0 | SIMOTION controller   | <a href="#">View 6AU1455-2AD00-0AA0 page</a> |
| 6SL3120-2TE21-0AA4 | SINAMICS Motor Module | <a href="#">View 6SL3120-2TE21-0AA4 page</a> |

## MANUFACTURER SOURCE RECORD

Siemens product record for 6RY1803-0DB02  
Siemens Industry Mall catalog D23.1LDSP / COMPAS product record

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