

INDUSTRIAL AUTOMATION PRODUCT

C98043-A7106-L4

Functional-Safety Power Interface Board

Siemens identifies C98043-A7106-L4 as the Functional Safety Power Interface board supplied with 6RY1803-1DA04. It restores the specified control or power-interface function inside the matched Siemens drive assembly.

| IDENTITY      | VERIFIED VALUE                                              |
|---------------|-------------------------------------------------------------|
| Manufacturer  | Siemens                                                     |
| System family | Siemens SINAMICS or SIMOVERT drive power-electronics system |
| Part number   | C98043-A7106-L4                                             |
| Product role  | Provides the documented 6ry1803-1da04 function              |
| Lifecycle     | Installed product record                                    |

DOCUMENT SCOPE

Exact-article identity, technical data, host role, installation checks, applications, precautions and engineering verification.

MODEL-SPECIFIC ENGINEERING NOTE

Before removing C98043-A7106-L4, record the complete drive identity, hardware version, mating connectors, power interfaces, grounding and configuration.

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C98043-A7106-L4

# Technical Specifications

Technical values below are limited to the named Siemens product record and directly applicable manufacturer documentation.

| PARAMETER             | VALUE           | PARAMETER      | VALUE                          |
|-----------------------|-----------------|----------------|--------------------------------|
| Board reference       | C98043-A7106-L4 | Execution      | Functional Safety              |
| Referenced spare part | 6RY1803-1DA04   | Component role | Power Interface with terminals |

## Verified Product Record

| DATA GROUP                 | VERIFIED VALUE                                                                                                                                           |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Installed host / carrier   | Siemens SINAMICS or SIMOVERT drive power-electronics system                                                                                              |
| Primary system role        | Provides the documented 6ry1803-1da04 function                                                                                                           |
| Connection boundary        | Before removing C98043-A7106-L4, record the complete drive identity, hardware version, mating connectors, power interfaces, grounding and configuration. |
| Controlled acceptance duty | C98043-A7106-L4 installed-system service                                                                                                                 |

### ENGINEERING BOUNDARY

Confirm C98043-A7106-L4, the complete Siemens drive type, hardware revision, 6ry1803-1da04 position, connectors and terminals, DC-link isolation, cooling, protective grounding, firmware, parameter set and controlled interlock and functional-test results before commissioning.

## Pre-Installation Checks

|   |                                                                                      |   |                                                                                               |
|---|--------------------------------------------------------------------------------------|---|-----------------------------------------------------------------------------------------------|
| 1 | Confirm the complete C98043-A7106-L4 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. |

## Documented Service Record

| RECORD ITEM        | REQUIRED ENTRY                                              |
|--------------------|-------------------------------------------------------------|
| As-found article   | C98043-A7106-L4                                             |
| Installed host     | Siemens SINAMICS or SIMOVERT drive power-electronics system |
| Connection record  | Capture before removal                                      |
| Controlled release | Diagnostics and functional proof                            |

## System Role and Architecture

Siemens identifies C98043-A7106-L4 as the Functional Safety Power Interface board supplied with 6RY1803-1DA04. It restores the specified control or power-interface function inside the matched Siemens drive assembly.

|                                                                         |                                                                           |
|-------------------------------------------------------------------------|---------------------------------------------------------------------------|
| <b>FUNCTION 1</b><br><br>Provides the documented 6ry1803-1da04 function | <b>FUNCTION 2</b><br><br>Keeps C98043-A7106-L4 as the controlled identity |
| <b>FUNCTION 3</b><br><br>Matches the approved drive hardware position   | <b>FUNCTION 4</b><br><br>Supports controlled diagnostic verification      |

### Matched System Components

| NO. | DOCUMENTED COMPONENT / ROLE                                                                                                                              |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | Siemens SINAMICS or SIMOVERT drive power-electronics system                                                                                              |
| 2   | 6RY1803-1DA04                                                                                                                                            |
| 3   | C98043-A7106-L4 installed-system service                                                                                                                 |
| 4   | Before removing C98043-A7106-L4, record the complete drive identity, hardware version, mating connectors, power interfaces, grounding and configuration. |

### System Integration Record

| INTEGRATION ITEM       | DOCUMENTED ROLE                                                                                                                                                   |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host identity          | Siemens SINAMICS or SIMOVERT drive power-electronics system                                                                                                       |
| Interface role         | Provides the documented 6ry1803-1da04 function                                                                                                                    |
| Field / power context  | C98043-A7106-L4 is serviced only in the documented Siemens drive position with its matching host hardware, connectors, cooling and protective-ground arrangement. |
| Commissioning evidence | Complete controlled interlock, output and machine-function tests before returning the drive to service.                                                           |

### Installation and Connection Checks

|                                                                                                                  |                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>1</b> Use ESD controls and protect all board and module interfaces from contamination or mechanical load.     | <b>2</b> Install only the documented 6ry1803-1da04 execution and restore the recorded hardware arrangement.      |
| <b>3</b> Restore the approved firmware, parameters and project configuration, then review all drive diagnostics. | <b>4</b> Complete controlled interlock, output and machine-function tests before returning the drive to service. |

|                                                                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MANUFACTURER SOURCE RECORD</b><br><br>Siemens product record for C98043-A7106-L4<br>Siemens SiePortal / Industry Mall product record and applicable drive equipment manual |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

# Applications and Engineering Context

## C98043-A7106-L4 installed-system service

Restores the documented 6ry1803-1da04 position without changing the approved Siemens SINAMICS or SIMOVERT drive power-electronics system architecture.

## C98043-A7106-L4 cabinet refurbishment

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

## C98043-A7106-L4 controlled replacement

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

## C98043-A7106-L4 recommissioning

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

### TECHNICAL NOTE

Before removing C98043-A7106-L4, record the complete drive identity, hardware version, mating connectors, power interfaces, grounding and configuration.

## Model-Specific Acceptance Evidence

| CHECK              | ACCEPTANCE CONDITION                                                                                    |
|--------------------|---------------------------------------------------------------------------------------------------------|
| Identity           | C98043-A7106-L4 recorded                                                                                |
| Host / carrier     | Siemens SINAMICS or SIMOVERT drive power-electronics system                                             |
| Physical interface | Provides the documented 6ry1803-1da04 function                                                          |
| Configuration      | Restore the approved firmware, parameters and project configuration, then review all drive diagnostics. |
| Functional proof   | Complete controlled interlock, output and machine-function tests before returning the drive to service. |

### IMPORTANT NOTICE

Confirm C98043-A7106-L4, the complete Siemens drive type, hardware revision, 6ry1803-1da04 position, connectors and terminals, DC-link isolation, cooling, protective grounding, firmware, parameter set and controlled interlock and functional-test results before commissioning.

## Controlled Release Summary

| RELEASE ITEM     | MODEL-SPECIFIC CONDITION                                                                                |
|------------------|---------------------------------------------------------------------------------------------------------|
| Article identity | C98043-A7106-L4                                                                                         |
| Approved role    | C98043-A7106-L4 installed-system service                                                                |
| Final validation | Complete controlled interlock, output and machine-function tests before returning the drive to service. |

## Engineering Precautions

|   |                                                                                                         |   |                                                                                                         |
|---|---------------------------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------------------|
| 1 | Confirm the complete C98043-A7106-L4 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.           |
| 5 | Use ESD controls and protect all board and module interfaces from contamination or mechanical load.     | 6 | Install only the documented 6ry1803-1da04 execution and restore the recorded hardware arrangement.      |
| 7 | Restore the approved firmware, parameters and project configuration, then review all drive diagnostics. | 8 | Complete controlled interlock, output and machine-function tests before returning the drive to service. |

## Related Products on Apter Power

| MODEL              | SYSTEM ROLE              | APTER POWER PAGE                             |
|--------------------|--------------------------|----------------------------------------------|
| 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> |
| 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> |

### MANUFACTURER SOURCE RECORD

Siemens product record for C98043-A7106-L4  
Siemens SiePortal / Industry Mall product record and applicable drive equipment manual

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