

6RY1803-0AA25-0AA1

Advanced Control Electronics Assembly

Siemens 6RY1803-0AA25-0AA1 is a painted Advanced control-electronics spare part with 32 MB memory, terminals and board reference C98043-A7100-L204. It restores the specified control or power-interface function inside the matched Siemens drive assembly.

BRAND	Siemens	FAMILY	Siemens SINAMICS or SIMOVERT drive power-electronics system
PART	6RY1803-0AA25-0AA1	SYSTEM ROLE	Provides the documented advanced control electronics, painted function

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6RY1803-0AA25-0AA1

MANUFACTURER SOURCE RECORD

Siemens product record for 6RY1803-0AA25-0AA1
Siemens SiePortal / Industry Mall product record and applicable drive equipment manual

Product Overview

SYSTEM FUNCTION

Siemens 6RY1803-0AA25-0AA1 is a painted Advanced control-electronics spare part with 32 MB memory, terminals and board reference C98043-A7100-L204. It restores the specified control or power-interface function inside the matched Siemens drive assembly.

FUNCTION 1

Provides the documented advanced control electronics, painted function

FUNCTION 2

Keeps 6RY1803-0AA25-0AA1 as the controlled identity

FUNCTION 3

Matches the approved drive hardware position

FUNCTION 4

Supports controlled diagnostic verification

System Components

COMPONENT	DOCUMENTED ROLE
Host / carrier	Siemens SINAMICS or SIMOVERT drive power-electronics system
Primary interface	Provides the documented advanced control electronics, painted function
Engineering context	6RY1803-0AA25-0AA1 is serviced only in the documented Siemens drive position with its matching host hardware, connectors, cooling and protective-ground arrangement. Commissioning preserves the as-found configuration and verifies identity, connections, diagnostics and the affected drive function.
Commissioning duty	Complete controlled interlock, output and machine-function tests before returning the drive to service.

TECHNICAL NOTE

Before removing 6RY1803-0AA25-0AA1, 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.

Technical Data

PARAMETER	VALUE	PARAMETER	VALUE
Article number	6RY1803-0AA25-0AA1	Board reference	C98043-A7100-L204
Assembly	Advanced control electronics, painted	Included	Terminals
Memory	32 MB		

Related Products on Apter Power

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

ENGINEERING BOUNDARY

Confirm 6RY1803-0AA25-0AA1, the complete Siemens drive type, hardware revision, advanced control electronics, painted position, connectors and terminals, DC-link isolation, cooling, protective grounding, firmware, parameter set and controlled interlock and functional-test results before commissioning.

Applications and Precautions

Common Applications

6RY1803-0AA25-0AA1 installed-system service

Restores the documented advanced control electronics, painted position without changing the approved Siemens SINAMICS or SIMOVERT drive power-electronics system architecture.

6RY1803-0AA25-0AA1 controlled replacement

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

6RY1803-0AA25-0AA1 cabinet refurbishment

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

6RY1803-0AA25-0AA1 recommissioning

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

Product Precautions

- 1

Confirm the complete 6RY1803-0AA25-0AA1 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 advanced control electronics, painted 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.

IMPORTANT NOTICE

Confirm 6RY1803-0AA25-0AA1, the complete Siemens drive type, hardware revision, advanced control electronics, painted position, connectors and terminals, DC-link isolation, cooling, protective grounding, firmware, parameter set and controlled interlock and functional-test results before commissioning.

ACCEPTANCE CHECK	REQUIRED EVIDENCE
Identity	6RY1803-0AA25-0AA1
Configuration	Restore the approved firmware, parameters and project configuration, then review all drive diagnostics.
Functional release	Complete controlled interlock, output and machine-function tests before returning the drive to service.

Engineer FAQ

Q1 Which official identity detail distinguishes 6RY1803-0AA25-0AA1 during receiving inspection?

For 6RY1803-0AA25-0AA1, the official source identifies article number as 6RY1803-0AA25-0AA1. Confirm the same value in the installed record before work.

Q3 How does the published memory affect selection of 6RY1803-0AA25-0AA1?

For 6RY1803-0AA25-0AA1, the official source identifies memory as 32 MB. Confirm the same value in the installed record before work.

Q5 Where does 6RY1803-0AA25-0AA1 fit in the approved installed system arrangement?

For 6RY1803-0AA25-0AA1, the official source identifies installed system as Siemens SINAMICS or SIMOVERT drive power-electronics system. Confirm the same value in the installed record before work.

Q7 Which diagnostic sequence should follow controlled energization of 6RY1803-0AA25-0AA1?

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

Q2 What documented assembly must be matched before 6RY1803-0AA25-0AA1 is installed?

For 6RY1803-0AA25-0AA1, the official source identifies assembly as Advanced control electronics, painted. Confirm the same value in the installed record before work.

Q4 Which board reference condition must remain unchanged when replacing 6RY1803-0AA25-0AA1?

For 6RY1803-0AA25-0AA1, the official source identifies board reference as C98043-A7100-L204. Confirm the same value in the installed record before work.

Q6 What connection evidence should be retained before disconnecting 6RY1803-0AA25-0AA1?

Record every connector, terminal, busbar, cable and protective-earth position before removal. Use ESD controls and protect all board and module interfaces from contamination or mechanical load.

Q8 What functional result is required before 6RY1803-0AA25-0AA1 returns to service?

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

MANUFACTURER SOURCE RECORD

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