

INDUSTRIAL AUTOMATION PRODUCT

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.

IDENTITY	VERIFIED VALUE
Manufacturer	Siemens
System family	Siemens SINAMICS or SIMOVERT drive power-electronics system
Part number	6RY1803-0AA25-0AA1
Product role	Provides the documented advanced control electronics, painted 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 6RY1803-0AA25-0AA1, record the complete drive identity, hardware version, mating connectors, power interfaces, grounding and configuration.

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6RY1803-0AA25-0AA1

Technical Specifications

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

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

Verified Product Record

DATA GROUP	VERIFIED VALUE
Installed host / carrier	Siemens SINAMICS or SIMOVERT drive power-electronics system
Primary system role	Provides the documented advanced control electronics, painted function
Connection boundary	Before removing 6RY1803-0AA25-0AA1, record the complete drive identity, hardware version, mating connectors, power interfaces, grounding and configuration.
Controlled acceptance duty	6RY1803-0AA25-0AA1 installed-system service

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.

Pre-Installation Checks

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.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	6RY1803-0AA25-0AA1
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 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

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	Siemens SINAMICS or SIMOVERT drive power-electronics system
2	Advanced control electronics, painted
3	6RY1803-0AA25-0AA1 installed-system service
4	Before removing 6RY1803-0AA25-0AA1, 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 advanced control electronics, painted function
Field / power 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 evidence	Complete controlled interlock, output and machine-function tests before returning the drive to service.

Installation and Connection Checks

1 Use ESD controls and protect all board and module interfaces from contamination or mechanical load.	2 Install only the documented advanced control electronics, painted 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.

MANUFACTURER SOURCE RECORD Siemens product record for 6RY1803-0AA25-0AA1 Siemens SiePortal / Industry Mall product record and applicable drive equipment manual
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Applications and Engineering Context

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 cabinet refurbishment

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

6RY1803-0AA25-0AA1 controlled replacement

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

6RY1803-0AA25-0AA1 recommissioning

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

TECHNICAL NOTE

Before removing 6RY1803-0AA25-0AA1, record the complete drive identity, hardware version, mating connectors, power interfaces, grounding and configuration.

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	6RY1803-0AA25-0AA1 recorded
Host / carrier	Siemens SINAMICS or SIMOVERT drive power-electronics system
Physical interface	Provides the documented advanced control electronics, painted 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 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.

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	6RY1803-0AA25-0AA1
Approved role	6RY1803-0AA25-0AA1 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 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.

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
6SL3120-2TE21-0AA4	Motor Module	View 6SL3120-2TE21-0AA4 page
6SL3320-1TE33-1AA3	Motor Module	View 6SL3320-1TE33-1AA3 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

MANUFACTURER SOURCE RECORD

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

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