

INDUSTRIAL AUTOMATION PRODUCT

6RY1803-0AA05-0AA1

Control Electronics Advanced Module

Siemens 6RY1803-0AA05-0AA1 is an Advanced control-electronics spare part supplied with terminals and 32 MB memory. It carries board reference C98043-A7100-L4 for the documented converter installation.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Siemens
System family	SINAMICS DCM / SIMOREG control electronics
Part number	6RY1803-0AA05-0AA1
Document status	Controlled product and system reference

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING NOTE

Install 6RY1803-0AA05-0AA1 only in the documented documented converter control-electronics position. Preserve the as-found wiring, hardware revision and configuration; then review diagnostics and verify the affected advanced converter control electronics under controlled conditions.

System Role and Architecture

Siemens 6RY1803-0AA05-0AA1 is an Advanced control-electronics spare part supplied with terminals and 32 MB memory. It carries board reference C98043-A7100-L4 for the documented converter installation.

FUNCTION 1
Exact article identity 6RY1803-0AA05-0AA1

FUNCTION 2
Control Electronics Advanced Module

FUNCTION 3
Documented role: advanced converter control electronics

FUNCTION 4
Controlled installation, diagnostics and functional verification

RELATED APTER POWER PAGES

1 Siemens 6ES7314-6BH04-0AB0

2 Siemens 6ES7223-1BL22-0XA0

3 Siemens 6AU1455-2AD00-0AA0

4 Siemens 6SL3120-2TE21-0AA4

5 Siemens 6SL3320-1TE33-1AA3

6 Siemens 6SL3362-0AG00-0AA1

7 Siemens 6SL3352-1AE37-5BA1

8 Siemens 6SL3200-0SP01-0AA0

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	SINAMICS DCM / SIMOREG control electronics
02	documented converter control-electronics position
03	Documented connectors, terminals and protective-earth path
04	Approved firmware, parameter or project record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	SINAMICS DCM / SIMOREG control electronics
Interface role	advanced converter control electronics
Field / power context	documented converter control-electronics position
Commissioning evidence	Identity, interfaces, configuration, diagnostics and controlled functional response recorded

INSTALLATION AND CONNECTION CHECKS

1 Confirm the complete 6RY1803-0AA05-0AA1 marking, Control Electronics Advanced Module designation and the recorded installation position.

2 Place the drive, motor and connected process in the approved maintenance state.

3 Isolate incoming and auxiliary power, prove stored DC-link energy discharged and use ESD controls.

4 Record every power, signal, feedback, communication, shielding and protective-earth connection before removal.

Technical Specifications

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

PARAMETER	VALUE	PARAMETER	VALUE
Product designation	Control Electronics Advanced	Board reference	C98043-A7100-L4
Supply scope	Control electronics including terminals	Product status	Active product
Memory	32 MB		

RELATED PRODUCT PAGES

1Siemens 6ES7314-6BH04-0AB0

2Siemens 6ES7223-1BL22-0XA0

3Siemens 6AU1455-2AD00-0AA0

4Siemens 6SL3120-2TE21-0AA4

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6Siemens 6SL3362-0AG00-0AA1

7Siemens 6SL3352-1AE37-5BA1

8Siemens 6SL3200-0SP01-0AA0

ENGINEERING BOUNDARY

Confirm 6RY1803-0AA05-0AA1, the complete SINAMICS DCM / SIMOREG control electronics host, hardware revision, installed position, terminals, connectors, stored-energy state, protective earth, shielding, cooling, firmware or parameter record, diagnostics and controlled acceptance evidence before release.

PRE-INSTALLATION CHECKS

- 1

Confirm the complete 6RY1803-0AA05-0AA1 marking, Control Electronics Advanced Module designation and the recorded installation
- 2

Place the drive, motor and connected process in the approved maintenance state.
- 3

Isolate incoming and auxiliary power, prove stored DC-link energy discharged and use ESD controls.
- 4

Record every power, signal, feedback, communication, shielding and protective-earth connection before removal.

Applications and Engineering Context

SINAMICS DCM / SIMOREG control electronics planned maintenance

Restores the documented advanced converter control electronics during controlled cabinet service.

Control Electronics Advanced Module replacement

Uses the exact 6RY1803-0AA05-0AA1 identity instead of a nearby electrical or firmware execution.

Drive-system refurbishment

Preserves the recorded hardware, connections, protective earth, cooling and configuration.

Controlled recommissioning

Confirms diagnostics and the affected drive role before automatic operation.

TECHNICAL NOTE

Install 6RY1803-0AA05-0AA1 only in the documented documented converter control-electronics position. Preserve the as-found wiring, hardware revision and configuration; then review diagnostics and verify the affected advanced converter control electronics under controlled conditions.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	6RY1803-0AA05-0AA1 recorded
Host / carrier	SINAMICS DCM / SIMOREG control electronics
Physical interface	Installed power, signal, feedback and communication interfaces matched to the as-found record
Configuration	Approved hardware, firmware and parameter or project configuration restored
Functional proof	Controlled test confirms advanced converter control electronics

IMPORTANT NOTICE

Confirm 6RY1803-0AA05-0AA1, the complete SINAMICS DCM / SIMOREG control electronics host, hardware revision, installed position, terminals, connectors, stored-energy state, protective earth, shielding, cooling, firmware or parameter record, diagnostics and

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

Siemens 6ES7314-6BH04-0AB0

View Siemens 6ES7314-6BH04-0AB0 page

2

Siemens 6ES7223-1BL22-0XA0

View Siemens 6ES7223-1BL22-0XA0 page

3

Siemens 6AU1455-2AD00-0AA0

View Siemens 6AU1455-2AD00-0AA0 page

4

Siemens 6SL3120-2TE21-0AA4

View Siemens 6SL3120-2TE21-0AA4 page

5

Siemens 6SL3320-1TE33-1AA3

View Siemens 6SL3320-1TE33-1AA3 page

6

Siemens 6SL3362-0AG00-0AA1

View Siemens 6SL3362-0AG00-0AA1 page

7

Siemens 6SL3352-1AE37-5BA1

View Siemens 6SL3352-1AE37-5BA1 page

8

Siemens 6SL3200-0SP01-0AA0

View Siemens 6SL3200-0SP01-0AA0 page

MANUFACTURER SOURCE RECORD

Siemens SiePortal product record for 6RY1803-0AA05-0AA1 | Siemens official product and family documentation, accessed 24 September 2026

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RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.