APTER POWER

COMPLETE PRODUCT INFORMATION

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

PRODUCT SNAPSHOT

BRAND Siemens	FAMILY SINAMICS DCM / SIMOREG control
PART 6RY1803-0AA05-0AA1	DOCUMENT STATUS Controlled engineering copy

APTER POWER

WHATSAPP / PHONE

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WEBSITE

www.apterpower.com

PRODUCT OVERVIEW

6RY1803-0AA05-0AA1 provides advanced converter control electronics for the matched SINAMICS DCM / SIMOREG control electronics installation.

- Exact article identity 6RY1803-0AA05-0AA1
- Control Electronics Advanced Module
- Documented role: advanced converter control electronics
- Controlled installation, diagnostics and functional verification

RELATED APTER POWER PAGES

1. Siemens 6SL3352-1AE37-5BA1
2. Siemens 6SL3200-0SP01-0AA0
3. Siemens 6ES7314-6BH04-0AB0
4. Siemens 6ES7223-1BL22-0XA0
5. Siemens 6AU1455-2AD00-0AA0
6. Siemens 6SL3120-2TE21-0AA4
7. Siemens 6SL3320-1TE33-1AA3
8. Siemens 6SL3362-0AG00-0AA1

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
Proximity probe	Matched extension cable
Proximitor Sensor	AISI 4140 target

ENGINEERING CONTEXT

The component remains matched to the documented converter control-electronics position, its connectors and the recorded configuration. Commissioning preserves the installed architecture and verifies controlled drive response.

TECHNICAL DATA

PARAMETER	VALUE
Product designation	Control Electronics Advanced
Supply scope	Control electronics including terminals
Memory	32 MB

PARAMETER	VALUE
Board reference	C98043-A7100-L4
Product status	Active product

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1. **Siemens 6SL3352-1AE37-5BA1**
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8. **Siemens 6SL3362-0AG00-0AA1**

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.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

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.

PRODUCT PRECAUTIONS

1. Confirm the complete 6RY1803-0AA05-0AA1 marking, Control Electronics Advanced Module designation and
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
5. Verify the installed host and all official values documented for 6RY1803-0AA05-0AA1; do not infer
6. Restore the approved hardware revision, connectors, cooling path and parameter or project record.
7. Energize in the manufacturer sequence and review drive, module and communication diagnostics.
8. Complete controlled interlock, feedback and safe-point functional tests before service release.

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ENGINEER FAQ

Q1 How is the exact 6RY1803-0AA05-0AA1 execution identified?

Match the complete 6RY1803-0AA05-0AA1 article number, Control Electronics Advanced Module designation and the recorded host position before replacement.

Q2 What documented function does 6RY1803-0AA05-0AA1 perform?

It provides advanced converter control electronics within the SINAMICS DCM / SIMOREG control electronics arrangement.

Q3 Which installed hardware must be matched before fitting 6RY1803-0AA05-0AA1?

Use only the documented converter control-electronics position with matching terminals, connectors, hardware revision and system record.

Q4 Which official values govern 6RY1803-0AA05-0AA1?

Product designation: Control Electronics Advanced; Supply scope: Control electronics including terminals; Memory: 32 MB; Board reference: C98043-A7100-L4.

Q5 What must be recorded before removing 6RY1803-0AA05-0AA1?

Record the nameplate, board position, every power and signal connection, shielding, protective earth, firmware or parameter state and active diagnostics.

Q6 Which handling controls apply to 6RY1803-0AA05-0AA1?

Place the drive and machine in the approved maintenance state, isolate all supplies, prove stored energy discharged and use ESD controls.

Q7 How is 6RY1803-0AA05-0AA1 verified after installation?

Restore the documented hardware and configuration, review diagnostics and complete a controlled safe-point functional test of the affected drive role.

Q8 Which manufacturer record supports the 6RY1803-0AA05-0AA1 page?

The Siemens SiePortal product record for 6RY1803-0AA05-0AA1 and directly applicable Siemens family manual support the stated identity, function and commissioning boundaries.

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

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