

INDUSTRIAL AUTOMATION PRODUCT

6SE7041-8GK85-0HA0

Siemens PER3 Rectifier Interface Module

6SE7041-8GK85-0HA0 is a Siemens PER3 rectifier interface module for infeed/regenerative-feedback supply units in designs H and K. It provides the designated interface for the 500-575 V and 660-690 V, 3 AC, 50/60 Hz host supply-unit execution.

IDENTITY	VERIFIED VALUE
Manufacturer	Siemens
System family	SIMOVER MASTERDRIVES
Part number	6SE7041-8GK85-0HA0
Product role	Identifies the exact PER3 rectifier-interface execution
Lifecycle	Product cancellation

DOCUMENT SCOPE

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

MODEL-SPECIFIC ENGINEERING NOTE

Match 6SE7041-8GK85-0HA0 to the documented PER3 execution, the installed design H or K supply unit and the exact 500-575 V and 660-690 V, 3 AC voltage class. Isolate the drive and DC link, preserve every connector assignment, then complete controlled supply-unit diagnostics before return to service.

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6SE7041-8GK85-0HA0

Technical Specifications

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

PARAMETER	VALUE	PARAMETER	VALUE
Component type	Rectifier interface module	Host supply voltage	500-575 V and 660-690 V, 3 AC
Interface designation	PER3	Host supply frequency	50/60 Hz
Host function	Infeed / regenerative-feedback supply unit	Lifecycle	Product cancellation
Assigned designs	H and K		

Verified Product Record

DATA GROUP	VERIFIED VALUE
Installed host / carrier	SIMOVERT MASTERDRIVES
Primary system role	Identifies the exact PER3 rectifier-interface execution
Connection boundary	Match 6SE7041-8GK85-0HA0 to the documented PER3 execution, the installed design H or K supply unit and the exact 500-575 V and 660-690 V, 3 AC voltage class. Isolate the drive and DC link, preserve every connector assignment, then complete controlled supply-unit diagnostics before return to service.
Controlled acceptance duty	High-voltage PER3 supply-unit repair

ENGINEERING BOUNDARY

Confirm 6SE7041-8GK85-0HA0, PER3, design H/K host, 500-575 V and 660-690 V, 3 AC voltage class, 50/60 Hz supply, installed hardware revision, connector assignments, grounding, drive configuration, related accessories and controlled diagnostic results before commissioning.

Pre-Installation Checks

- 1

Verify the full 6SE7041-8GK85-0HA0 marking and PER3 interface identity.
- 2

Confirm the host is a design H or K regenerative-capable supply unit.
- 3

Isolate the 500-575 V or 660-690 V supply and discharge the DC link.
- 4

Record high-voltage connector, cable and shield locations before removal.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	6SE7041-8GK85-0HA0
Installed host	SIMOVERT MASTERDRIVES
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

System Role and Architecture

6SE7041-8GK85-0HA0 is a Siemens PER3 rectifier interface module for infeed/regenerative-feedback supply units in designs H and K. It provides the designated interface for the 500-575 V and 660-690 V, 3 AC, 50/60 Hz host supply-unit execution.

FUNCTION 1
Identifies the exact PER3 rectifier-interface execution

FUNCTION 2
Supports the documented infeed and regenerative-feedback host function

FUNCTION 3
Matches the defined design H or K supply-unit architecture

FUNCTION 4
Maintains the engineered interface path during controlled service

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	SIMOVERT MASTERDRIVES
2	PER3
3	High-voltage PER3 supply-unit repair
4	Match 6SE7041-8GK85-0HA0 to the documented PER3 execution, the installed design H or K supply unit and the exact 500-575 V and 660-690 V, 3 AC voltage class. Isolate the drive and DC link, preserve every connector assignment, then complete controlled supply-unit diagnostics before return to service.

System Integration Record

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	SIMOVERT MASTERDRIVES
Interface role	Identifies the exact PER3 rectifier-interface execution
Field / power context	The module is installed only in the documented design H or K supply unit for 500-575 V and 660-690 V, 3 AC at 50/60 Hz. Replacement work preserves the host-unit identity, connector pattern and existing project configuration before controlled energization.
Commissioning evidence	Complete controlled energization and prove regenerative-unit diagnostics.

Installation and Connection Checks

- 1

Verify the cabinet frequency assignment remains 50/60 Hz.
- 2

Use ESD-safe handling and protect exposed interface contacts.
- 3

Reinstall the board without changing the approved host configuration.
- 4

Complete controlled energization and prove regenerative-unit diagnostics.

MANUFACTURER SOURCE RECORD

Siemens SiePortal product record for 6SE7041-8GK85-0HA0
Catalog GB, Publd 10962; current article record reviewed 10 September 2026

Applications and Engineering Context

High-voltage PER3 supply-unit repair
Restores the interface board in the exact design H/K regenerative host.

500-575 V line-side service
Maintains the documented PER3 execution in an installed medium-voltage-class drive cabinet.

660-690 V MASTERDRIVES maintenance
Provides the high-voltage article identity needed for controlled lifecycle support.

Regenerative supply-unit validation
Supports connector restoration and diagnostic verification after board replacement.

TECHNICAL NOTE

Match 6SE7041-8GK85-0HA0 to the documented PER3 execution, the installed design H or K supply unit and the exact 500-575 V and 660-690 V, 3 AC voltage class. Isolate the drive and DC link, preserve every connector assignment, then complete controlled supply-unit diagnostics before return to service.

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	6SE7041-8GK85-0HA0 recorded
Host / carrier	SIMOVERT MASTERDRIVES
Physical interface	Identifies the exact PER3 rectifier-interface execution
Configuration	Reinstall the board without changing the approved host configuration.
Functional proof	Complete controlled energization and prove regenerative-unit diagnostics.

IMPORTANT NOTICE

Confirm 6SE7041-8GK85-0HA0, PER3, design H/K host, 500-575 V and 660-690 V, 3 AC voltage class, 50/60 Hz supply, installed hardware revision, connector assignments, grounding, drive configuration, related accessories and controlled diagnostic results before commissioning.

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	6SE7041-8GK85-0HA0
Approved role	High-voltage PER3 supply-unit repair
Final validation	Complete controlled energization and prove regenerative-unit diagnostics.

Engineering Precautions

- 1

Verify the full 6SE7041-8GK85-0HA0 marking and PER3 interface identity.
- 2

Confirm the host is a design H or K regenerative-capable supply unit.
- 3

Isolate the 500-575 V or 660-690 V supply and discharge the DC link.
- 4

Record high-voltage connector, cable and shield locations before removal.
- 5

Verify the cabinet frequency assignment remains 50/60 Hz.
- 6

Use ESD-safe handling and protect exposed interface contacts.
- 7

Reinstall the board without changing the approved host configuration.
- 8

Complete controlled energization and prove regenerative-unit diagnostics.

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
6SE7090-0XX84-3DB1	operator panel	View 6SE7090-0XX84-3DB1 page
6SE7090-0XX84-2FA0	PMU unit	View 6SE7090-0XX84-2FA0 page
6SL3120-2TE21-0AA4	double motor module	View 6SL3120-2TE21-0AA4 page
6SL3320-1TE33-1AA3	motor module	View 6SL3320-1TE33-1AA3 page
6SL3362-0AG00-0AA1	drive component	View 6SL3362-0AG00-0AA1 page
6SL3352-1AE37-5BA1	replacement power block	View 6SL3352-1AE37-5BA1 page
6AU1455-2AD00-0AA0	SIMOTION controller	View 6AU1455-2AD00-0AA0 page
6ES7223-1BL22-0XA0	digital I/O module	View 6ES7223-1BL22-0XA0 page

MANUFACTURER SOURCE RECORD

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