

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.

BRAND	Siemens	FAMILY	SIMOVERT MASTERDRIVES
PART	6SE7041-8GK85-0HA0	SYSTEM ROLE	Identifies the exact PER3 rectifier-interface execution

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6SE7041-8GK85-0HA0

MANUFACTURER SOURCE RECORD

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

Product Overview

SYSTEM FUNCTION

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

System Components

COMPONENT	DOCUMENTED ROLE
Host / carrier	SIMOVERT MASTERDRIVES
Primary interface	Identifies the exact PER3 rectifier-interface execution
Engineering 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 duty	Complete controlled energization and prove regenerative-unit diagnostics.

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.

Technical Data

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		

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
6SL3200-0SP01-0AA0	CIM PM-IF assembly	View 6SL3200-0SP01-0AA0 page
6RA8075-6DS22-0AA0	DC converter	View 6RA8075-6DS22-0AA0 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

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.

Applications and Precautions

Common Applications

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.

Product 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.

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.

ACCEPTANCE CHECK	REQUIRED EVIDENCE
Identity	6SE7041-8GK85-0HA0
Configuration	Reinstall the board without changing the approved host configuration.
Functional release	Complete controlled energization and prove regenerative-unit diagnostics.

Engineer FAQ

Q1 What high-voltage assignments are documented for 6SE7041-8GK85-0HA0?

Siemens specifies 500-575 V and 660-690 V, 3 AC, at 50/60 Hz.

Q3 What must be isolated before touching 6SE7041-8GK85-0HA0?

Isolate the host supply, prove the DC link discharged and place the connected drive system in a safe state.

Q5 Can the 380-480 V PER3 board replace 6SE7041-8GK85-0HA0?

Do not substitute by family name alone; this article is assigned to 500-575 V and 660-690 V host executions.

Q7 Which diagnostics are required after fitting 6SE7041-8GK85-0HA0?

Verify supply-unit, line-side and connected drive diagnostics during controlled energization.

Q2 Which rectifier-interface version is 6SE7041-8GK85-0HA0?

It is the high-voltage PER3 execution for design H and K supply units.

Q4 Which records should accompany a 6SE7041-8GK85-0HA0 replacement?

Retain the article label, hardware revision, connector map, grounding record and installed project version.

Q6 How should 6SE7041-8GK85-0HA0 connections be restored?

Reproduce the photographed high-voltage connector, cable and shield arrangement of the approved host.

Q8 Why is the full 6SE7041-8GK85-0HA0 order number important?

It separates this PER3 voltage execution from PER2 and lower-voltage rectifier-interface modules.

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