

6SE7041-8HK85-1HA0

Siemens PER2 Rectifier Interface Module

6SE7041-8HK85-1HA0 is a Siemens PER2 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	6SE7041-8HK85-1HA0	SYSTEM ROLE	Identifies the exact PER2 rectifier-interface execution

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6SE7041-8HK85-1HA0

MANUFACTURER SOURCE RECORD

Siemens SiePortal product record for 6SE7041-8HK85-1HA0
Catalog GB, PubId 10962; current article record reviewed 10 September 2026

Product Overview

SYSTEM FUNCTION

6SE7041-8HK85-1HA0 is a Siemens PER2 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 PER2 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 PER2 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	Energize in the approved sequence and review supply-unit diagnostics before enabling operation.

TECHNICAL NOTE

Match 6SE7041-8HK85-1HA0 to the documented PER2 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	PER2	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 6SE7041-8HK85-1HA0, PER2, 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 design H/K supply-unit service

Restores the documented PER2 interface in an installed high-voltage infeed/regenerative-feedback unit.

Regenerative line-side converter maintenance

Preserves the interface position used by the host unit during controlled energy-feedback operation.

Legacy MASTERDRIVES refurbishment

Provides exact article identity for a planned PER2 board exchange in the existing drive cabinet.

Controlled supply-unit recommissioning

Supports documented connector restoration and diagnostics after interface-module replacement.

Product Precautions

- 1

Verify the complete 6SE7041-8HK85-1HA0 marking and PER2 designation.
- 2

Confirm the installed host is a design H or K infeed/regenerative-feedback supply unit.
- 3

Prove the host supply and DC link isolated and discharged before module access.
- 4

Record the PER2 connector positions, cable IDs and shielding before disconnection.
- 5

Check that the host is the documented 500-575 V or 660-690 V execution.
- 6

Protect the interface board and connector contacts with ESD-safe handling.
- 7

Restore only the recorded drive configuration and installed accessories.
- 8

Energize in the approved sequence and review supply-unit diagnostics before enabling operation.

IMPORTANT NOTICE

Confirm 6SE7041-8HK85-1HA0, PER2, 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	6SE7041-8HK85-1HA0
Configuration	Restore only the recorded drive configuration and installed accessories.
Functional release	Energize in the approved sequence and review supply-unit diagnostics before enabling operation.

Engineer FAQ

Q1 What equipment assignment must be confirmed before fitting 6SE7041-8HK85-1HA0?

Confirm a Siemens design H or K infeed/regenerative-feedback supply unit with the official PER2 assignment.

Q3 How should the PER2 connections for 6SE7041-8HK85-1HA0 be preserved?

Record connector positions, cable identifiers and shielding before removal, then reproduce the documented arrangement.

Q5 What must be checked before energizing 6SE7041-8HK85-1HA0?

Confirm host identity, voltage class, hardware revision, connectors, grounding and a discharged DC link.

Q7 How is 6SE7041-8HK85-1HA0 validated after installation?

Use the approved energization sequence and review supply-unit diagnostics before enabling the connected drive system.

Q2 Which voltage executions are documented for 6SE7041-8HK85-1HA0?

The official article record assigns 500-575 V and 660-690 V, 3 AC, at 50/60 Hz.

Q4 Does 6SE7041-8HK85-1HA0 replace a complete drive converter?

No. It is the rectifier-interface module inside the assigned supply-unit architecture.

Q6 Which configuration records matter when replacing 6SE7041-8HK85-1HA0?

Preserve the installed supply-unit and drive project versions together with connector and accessory records.

Q8 Why must the full suffix of 6SE7041-8HK85-1HA0 be checked?

The PER2 designation and high-voltage assignment distinguish it from PER3 and other SIMOVERT interface boards.

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