

INDUSTRIAL AUTOMATION PRODUCT

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.

IDENTITY	VERIFIED VALUE
Manufacturer	Siemens
System family	SIMOVER MASTERDRIVES
Part number	6SE7041-8HK85-1HA0
Product role	Identifies the exact PER2 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 6SE7041-8HK85-1HA0 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.

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6SE7041-8HK85-1HA0

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	PER2	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 PER2 rectifier-interface execution
Connection boundary	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.
Controlled acceptance duty	High-voltage design H/K supply-unit service

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.

Pre-Installation Checks

- 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.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	6SE7041-8HK85-1HA0
Installed host	SIMOVERT MASTERDRIVES
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

System Role and Architecture

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

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	SIMOVERT MASTERDRIVES
2	PER2
3	High-voltage design H/K supply-unit service
4	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.

System Integration Record

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	SIMOVERT MASTERDRIVES
Interface role	Identifies the exact PER2 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	Energize in the approved sequence and review supply-unit diagnostics before enabling operation.

Installation and Connection Checks

- 1

Check that the host is the documented 500-575 V or 660-690 V execution.
- 2

Protect the interface board and connector contacts with ESD-safe handling.
- 3

Restore only the recorded drive configuration and installed accessories.
- 4

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

MANUFACTURER SOURCE RECORD

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

Applications and Engineering Context

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.

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.

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	6SE7041-8HK85-1HA0 recorded
Host / carrier	SIMOVERT MASTERDRIVES
Physical interface	Identifies the exact PER2 rectifier-interface execution
Configuration	Restore only the recorded drive configuration and installed accessories.
Functional proof	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.

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	6SE7041-8HK85-1HA0
Approved role	High-voltage design H/K supply-unit service
Final validation	Energize in the approved sequence and review supply-unit diagnostics before enabling operation.

Engineering 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.

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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