

INDUSTRIAL AUTOMATION PRODUCT

6SE7041-8EK85-0HA0

Siemens PER3 Rectifier Interface Module

6SE7041-8EK85-0HA0 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 380-480 V, 3 AC, 50/60 Hz host supply-unit execution.

IDENTITY	VERIFIED VALUE
Manufacturer	Siemens
System family	SIMOVER MASTERDRIVES
Part number	6SE7041-8EK85-0HA0
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 6SE7041-8EK85-0HA0 to the documented PER3 execution, the installed design H or K supply unit and the exact 380-480 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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WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



6SE7041-8EK85-0HA0

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	380-480 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 6SE7041-8EK85-0HA0 to the documented PER3 execution, the installed design H or K supply unit and the exact 380-480 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	380-480 V design H/K interface service

ENGINEERING BOUNDARY

Confirm 6SE7041-8EK85-0HA0, PER3, design H/K host, 380-480 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	Confirm the complete 6SE7041-8EK85-0HA0 marking and PER3 designation.	2	Verify a design H or K infeed/regenerative-feedback host before dismantling.
3	Isolate the 380-480 V supply and prove the DC link discharged.	4	Photograph every PER3 connector, cable and shield location.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	6SE7041-8EK85-0HA0
Installed host	SIMOVERT MASTERDRIVES
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

System Role and Architecture

6SE7041-8EK85-0HA0 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 380-480 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	380-480 V design H/K interface service
4	Match 6SE7041-8EK85-0HA0 to the documented PER3 execution, the installed design H or K supply unit and the exact 380-480 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 380-480 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	Perform controlled startup and verify line-side and drive diagnostics.

Installation and Connection Checks

- 1

Keep the 50/60 Hz host supply assignment with the service record.
- 2

Protect board contacts and connectors with ESD controls.
- 3

Reproduce the documented connector and grounding arrangement.
- 4

Perform controlled startup and verify line-side and drive diagnostics.

MANUFACTURER SOURCE RECORD

Siemens SiePortal product record for 6SE7041-8EK85-0HA0
Catalog GB, Publd 10962; current article record reviewed 10 September 2026

Applications and Engineering Context

380-480 V design H/K interface service

Restores the PER3 position in the matching infeed/regenerative-feedback unit.

Line-side regenerative system maintenance

Supports controlled board replacement while retaining the documented host execution.

MASTERDRIVES cabinet modernization records

Preserves the exact 380-480 V board identity during lifecycle service planning.

Supply-unit diagnostic recommissioning

Provides the interface identity used for reconnection and staged diagnostic proof.

TECHNICAL NOTE

Match 6SE7041-8EK85-0HA0 to the documented PER3 execution, the installed design H or K supply unit and the exact 380-480 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	6SE7041-8EK85-0HA0 recorded
Host / carrier	SIMOVERT MASTERDRIVES
Physical interface	Identifies the exact PER3 rectifier-interface execution
Configuration	Reproduce the documented connector and grounding arrangement.
Functional proof	Perform controlled startup and verify line-side and drive diagnostics.

IMPORTANT NOTICE

Confirm 6SE7041-8EK85-0HA0, PER3, design H/K host, 380-480 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	6SE7041-8EK85-0HA0
Approved role	380-480 V design H/K interface service
Final validation	Perform controlled startup and verify line-side and drive diagnostics.

Engineering Precautions

- 1

Confirm the complete 6SE7041-8EK85-0HA0 marking and PER3 designation.
- 2

Verify a design H or K infeed/regenerative-feedback host before dismantling.
- 3

Isolate the 380-480 V supply and prove the DC link discharged.
- 4

Photograph every PER3 connector, cable and shield location.
- 5

Keep the 50/60 Hz host supply assignment with the service record.
- 6

Protect board contacts and connectors with ESD controls.
- 7

Reproduce the documented connector and grounding arrangement.
- 8

Perform controlled startup and verify line-side and drive diagnostics.

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
6SE7041-8HK85-1HA0	PER2 interface	View 6SE7041-8HK85-1HA0 page
6SE7041-8GK85-0HA0	PER3 interface	View 6SE7041-8GK85-0HA0 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

MANUFACTURER SOURCE RECORD

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