

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.

BRAND	Siemens	FAMILY	SIMOVERT MASTERDRIVES
PART	6SE7041-8EK85-0HA0	SYSTEM ROLE	Identifies the exact PER3 rectifier-interface execution

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6SE7041-8EK85-0HA0

MANUFACTURER SOURCE RECORD

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

Product Overview

SYSTEM FUNCTION

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

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

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.

Technical Data

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		

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
6AU1455-2AD00-0AA0	SIMOTION controller	View 6AU1455-2AD00-0AA0 page
6ES7223-1BL22-0XA0	digital I/O module	View 6ES7223-1BL22-0XA0 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

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.

Applications and Precautions

Common Applications

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.

Product 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.

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.

ACCEPTANCE CHECK	REQUIRED EVIDENCE
Identity	6SE7041-8EK85-0HA0
Configuration	Reproduce the documented connector and grounding arrangement.
Functional release	Perform controlled startup and verify line-side and drive diagnostics.

Engineer FAQ

Q1 Which supply-unit voltage is assigned to 6SE7041-8EK85-0HA0?

The Siemens article record specifies 380-480 V, 3 AC, at 50/60 Hz.

Q3 Which host construction should be confirmed for 6SE7041-8EK85-0HA0?

Confirm a design H or K infeed/regenerative-feedback supply unit.

Q5 Can 6SE7041-8EK85-0HA0 be selected from appearance alone?

No. The complete article number, PER3 designation and 380-480 V host assignment must agree.

Q7 What startup checks apply to 6SE7041-8EK85-0HA0?

Use controlled energization and confirm line-side, supply-unit and connected drive diagnostics.

Q2 What interface designation belongs to 6SE7041-8EK85-0HA0?

It is the PER3 rectifier-interface execution.

Q4 What should be documented before disconnecting 6SE7041-8EK85-0HA0?

Capture connector positions, cable IDs, shields, grounding and installed hardware revision.

Q6 How is 6SE7041-8EK85-0HA0 configured after replacement?

Restore the existing approved drive and supply-unit configuration associated with the recorded host.

Q8 What distinguishes 6SE7041-8EK85-0HA0 from the high-voltage PER3 article?

Its official host assignment is 380-480 V rather than the 500-575 V / 660-690 V execution.

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