

6SE7041-8HK85-1HA0

Siemens PER2 Rectifier Interface Module

INSTALLATION, INTERFACE AND VALIDATION WORKBOOK

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.

STEP	GATE	ENGINEERING PURPOSE
01	IDENTIFY	Confirm article, host and hardware
02	ISOLATE	Secure power and stored energy
03	CONNECT	Restore documented interfaces
04	VALIDATE	Prove diagnostics and function

WORKBOOK PURPOSE

Field-ready identity, isolation, connection, commissioning and closeout records for this exact Siemens article.

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



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Installation Readiness Gate

Complete the identity, host-system and isolation checks before disturbing the installed hardware.

- 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.

Pre-Work Evidence

EVIDENCE ITEM	RECORDED VALUE
Complete article marking	6SE7041-8HK85-1HA0
Host / carrier	SIMOVERT MASTERDRIVES
Primary system role	Identifies the exact PER2 rectifier-interface execution
Acceptance boundary	Energize in the approved sequence and review supply-unit diagnostics before enabling operation.
Source record	Siemens SiePortal product record for 6SE7041-8HK85-1HA0

WORK AUTHORIZATION RECORD

Work order: _____

Drawing / revision: _____

Checked by: _____

Date: _____

Isolation and Access Register

CONTROL POINT	ENGINEER RECORD
Incoming supply	Isolated / proved
Stored energy	Discharged / proved
Field connections	Identified / protected
ESD control	Established / recorded

Pre-Work Documentation

DOCUMENT	ENGINEER RECORD
Connection photograph	Reference / file
Configuration backup	Reference / revision
Diagnostic baseline	Reference / result

Connection and Installation Sequence

INSTALLATION PRINCIPLE

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.

- 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.

Connection Record

CONNECTION GROUP	AS-FOUND / AS-LEFT RECORD	STATUS
Power / field connection	Reference / terminal	Checked
Signal / interface	Reference / connector	Checked
Ground / shield	Reference / point	Checked
Accessory / carrier	Reference / part	Checked

MODEL-SPECIFIC RELEASE LIMIT

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.

Interface Acceptance Criteria

ACCEPTANCE ITEM	REQUIRED EVIDENCE
Identity	6SE7041-8HK85-1HA0
Host match	SIMOVERT MASTERDRIVES
Connection proof	Protect the interface board and connector contacts with ESD-safe handling.
Configuration proof	Restore only the recorded drive configuration and installed accessories.

Commissioning and Acceptance Record

Record each controlled verification step before the equipment returns to automatic operation.

NO.	ACCEPTANCE CHECK	RESULT	RECORD
1	Article and host identity	PASS / FAIL	Initial / date
2	Mechanical installation	PASS / FAIL	Initial / date
3	Power and field wiring	PASS / FAIL	Initial / date
4	Grounding and shielding	PASS / FAIL	Initial / date
5	Configuration restoration	PASS / FAIL	Initial / date
6	Signal or power-path response	PASS / FAIL	Initial / date
7	Diagnostics and alarms	PASS / FAIL	Initial / date
8	Final functional release	PASS / FAIL	Initial / date

Engineering Notes

RECORD AREA	ENGINEER ENTRY
As-found condition	
Corrective action	
As-left configuration	
Outstanding restriction	
Release authorization	

CONTROLLED COMMISSIONING

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

Diagnostics and Release Log

EVENT	ENGINEERING RECORD
Initial energization	Result / observation
Interface or signal response	Result / observation
Alarm and diagnostic review	Result / observation
Functional release	Name / date

Maintenance Verification and Closeout

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.

Related Engineering Pages

MODEL	ENGINEERING ROLE	APTER POWER 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
6SE7041-8EK85-0HA0	PER3 interface	View 6SE7041-8EK85-0HA0 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

MANUFACTURER SOURCE RECORD

Siemens SiePortal product record for 6SE7041-8HK85-1HA0
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