

6SE7041-8EK85-0HA0

Siemens PER3 Rectifier Interface Module

INSTALLATION, INTERFACE AND VALIDATION WORKBOOK

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.

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

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.

Pre-Work Evidence

EVIDENCE ITEM	RECORDED VALUE
Complete article marking	6SE7041-8EK85-0HA0
Host / carrier	SIMOVERT MASTERDRIVES
Primary system role	Identifies the exact PER3 rectifier-interface execution
Acceptance boundary	Perform controlled startup and verify line-side and drive diagnostics.
Source record	Siemens SiePortal product record for 6SE7041-8EK85-0HA0

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 6SE7041-8EK85-0HA0 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.

- 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.

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 6SE7041-8EK85-0HA0, 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.

Interface Acceptance Criteria

ACCEPTANCE ITEM	REQUIRED EVIDENCE
Identity	6SE7041-8EK85-0HA0
Host match	SIMOVERT MASTERDRIVES
Connection proof	Protect board contacts and connectors with ESD controls.
Configuration proof	Reproduce the documented connector and grounding arrangement.

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

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

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

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.

Related Engineering Pages

MODEL	ENGINEERING ROLE	APTER POWER 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
6SE7041-8HK85-1HA0	PER2 interface	View 6SE7041-8HK85-1HA0 page

MANUFACTURER SOURCE RECORD

Siemens SiePortal product record for 6SE7041-8EK85-0HA0
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