

6SE7036-1EE85-1HA0

SIMOVERT MASTERDRIVES PER2 control module

It is the PER2 control module used by the documented SIMOVERT MASTERDRIVES infeed and regenerative-feedback equipment.

PRODUCT SNAPSHOT

BRAND

Siemens

FAMILY

SIMOVERT MASTERDRIVES rectifier/regenerati

PART

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PRODUCT OVERVIEW

It is the PER2 control module used by the documented SIMOVERT MASTERDRIVES infeed and regenerative-feedback equipment.

- 1 Coordinates infeed and regenerative operating states
- 2 Processes the assigned power-section feedback
- 3 Supports 50/60 Hz rectifier/regenerative operation
- 4 Fits the documented design-E equipment arrangement

SYSTEM COMPONENTS

SIMOVERT rectifier/regenerating power section

Drive control electronics

Line-side protection and precharge hardware

Approved 6SE70 parameter record

TECHNICAL NOTE

Confirm the full order number and design-E host, isolate the mains and DC link, preserve ribbon-cable and connector positions, and verify infeed and regeneration under controlled conditions.

TECHNICAL DATA

PARAMETER	VALUE
Order number	6SE7036-1EE85-1HA0
Module designation	PER2
Supply system	3 AC

PARAMETER	VALUE
Rated line-voltage range	380 to 480 V AC
Rated frequency	50/60 Hz
Construction	Design E

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
6ES7421-1BL01-0AA0	Related Siemens product	View 6ES7421-1BL01-0AA0 page
6ES7151-1AA06-0AB0	Related Siemens product	View 6ES7151-1AA06-0AB0 page
6ES7131-4BD01-0AA0	Related Siemens product	View 6ES7131-4BD01-0AA0 page
6GK1162-3AA00	Related Siemens product	View 6GK1162-3AA00 page
C98043-A7105-L4-9	Related Siemens product	View C98043-A7105-L4-9 page
6ES7653-2CE00-0XB0	Related Siemens product	View 6ES7653-2CE00-0XB0 page
6ES7653-2CC00-0XB0	Related Siemens product	View 6ES7653-2CC00-0XB0 page
6GK1503-3CD00	Related Siemens product	View 6GK1503-3CD00 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Regenerative conveyor drives

Coordinates infeed and regenerative operating states

Common DC-link systems

Processes the assigned power-section feedback

Test-stand energy recovery

Supports 50/60 Hz rectifier/regenerative operation

MASTERDRIVES cabinet restoration

Fits the documented design-E equipment arrangement

PRODUCT PRECAUTIONS

- 1 Verify the complete 6SE7036-1EE85-1HA0 marking and the assigned SIMOVERT MASTERDRIVES rectifier/regenerating unit position before work.
- 2 Place the connected machine or process in the approved maintenance state before disturbing 6SE7036-1EE85-1HA0.
- 3 Isolate the applicable power and field energy, then confirm a safe state before disconnecting 6SE7036-1EE85-1HA0.
- 4 Record connector, conductor, slot and configuration identities before removal of 6SE7036-1EE85-1HA0.
- 5 Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies during handling.
- 6 Confirm that the installed companion hardware and approved project match the 6SE7036-1EE85-1HA0 arrangement.
- 7 Restore power in a controlled sequence and review device, rack and host diagnostics.
- 8 Prove the intended function and retain the final test result before returning 6SE7036-1EE85-1HA0 to service.

ENGINEER FAQ

Q1 Does 6SE7036-1EE85-1HA0 match SIMOVERT rectifier/regenerating power section in a Regenerative conveyor drives installation?

Verify the complete 6SE7036-1EE85-1HA0 marking, the documented SIMOVERT MASTERDRIVES rectifier/regenerating unit position and the installed SIMOVERT rectifier/regenerating power section before fitting the assembly.

Q3 Which SIMOVERT MASTERDRIVES rectifier/regenerating unit records should be captured before removing 6SE7036-1EE85-1HA0?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 6SE7036-1EE85-1HA0 before disconnection.

Q5 Which Drive control electronics condition should be checked when 6SE7036-1EE85-1HA0 reports an abnormal state?

Check the Drive control electronics supply, seating and connection first, then compare channel diagnostics with the recorded 6SE7036-1EE85-1HA0 baseline.

Q7 What maintenance evidence is required after 6SE7036-1EE85-1HA0 is used for Test-stand energy recovery?

Retain the nameplate record, corrective action, final diagnostics and a controlled test-stand energy recovery functional-test result for 6SE7036-1EE85-1HA0.

Q2 How should 6SE7036-1EE85-1HA0 be wired when it must coordinates infeed and regenerative operating states?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 6SE7036-1EE85-1HA0; then continuity-test the affected path.

Q4 What controlled test confirms that 6SE7036-1EE85-1HA0 can processes the assigned power-section feedback?

Apply the approved field or simulated stimulus, observe the SIMOVERT MASTERDRIVES rectifier/regenerating unit indication and confirm the intended response without bypassing the normal interlocks.

Q6 Can 6SE7036-1EE85-1HA0 be moved directly into Common DC-link systems without validating Approved 6SE70 parameter record?

No. Confirm the Approved 6SE70 parameter record, revision, connection scheme and SIMOVERT MASTERDRIVES rectifier/regenerating unit configuration before transferring 6SE7036-1EE85-1HA0 to that duty.

Q8 How should 6SE7036-1EE85-1HA0 be returned to service in MASTERDRIVES cabinet restoration?

Restore power under control, verify supports 50/60 hz rectifier/regenerative operation, exercise the intended signal path and release 6SE7036-1EE85-1HA0 only after the SIMOVERT MASTERDRIVES rectifier/regenerating unit remains in its approved operating state.

SOURCE Siemens SIMOVERT MASTERDRIVES rectifier/regenerating-unit documentation | 6SE70 operating-instructions set

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