

6SE7041-8EK85-0LA0

SIMOVERT MASTERDRIVES automatic synchronization module

CONTROLLED ENGINEERING COPY

Isolate all infeed units and the common DC bus, preserve phase and synchronization wiring, verify interlocks, and confirm controlled phase-matching before closing the parallel path.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	6SE7041-8EK85-0LA0
Manufacturer part	6SE7041-8EK85-0LA0
Hardware type	6SE7041-8EK85-0LA0
System family	SIMOVERT MASTERDRIVES infeed-unit parallel hardware



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01 PRE-INSTALLATION PLAN

- 1

Verify the complete 6SE7041-8EK85-0LA0 marking and its documented SIMOVERT MASTERDRIVES infeed-unit parallel hardware position before field work.
- 2

Place the connected equipment in the approved maintenance state before removing 6SE7041-8EK85-0LA0.
- 3

Isolate every applicable power, signal and stored-energy source, then prove a safe state at 6SE7041-8EK85-0LA0.
- 4

Record the installed connectors, terminals, jumpers and channel or node assignments before disconnection.
- 5

Use ESD controls and protect keyed interfaces, edge connectors and exposed electronic assemblies.

MATCHED HARDWARE

- compatible SIMOVERT MASTERDRIVES infeed units
- synchronization signal harness
- common precharge and enable interlocks
- approved parallel-infeed configuration

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	6SE7041-8EK85-0LA0 / 6SE7041-8EK85-0LA0 recorded
Physical interface	compatible SIMOVERT MASTERDRIVES infeed units
Companion check	synchronization signal harness
Functional proof	Coordinates automatic synchronization between infeed units
Application test	Parallel infeed cabinet service

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Article number	6SE7041-8EK85-0LA0
Equipment class	Automatic synchronization module
Supported equipment	Infeed units
AC equipment voltage	380-480 V 3 AC
AC frequency	50/60 Hz
Package size	54.5 x 37.5 x 6 cm
Quantity unit	1 piece
Packaging quantity	1

SYSTEM CONNECTION RECORD

CONNECTION ITEM	DOCUMENTED ASSIGNMENT
Installed host / carrier	compatible SIMOVERT MASTERDRIVES infeed units
Companion hardware	synchronization signal harness
Field connection	common precharge and enable interlocks
Primary system function	Coordinates automatic synchronization between infeed units
Controlled acceptance duty	Parallel infeed cabinet service

FIELD NOTE

Isolate all infeed units and the common DC bus, preserve phase and synchronization wiring, verify interlocks, and confirm controlled phase-matching before closing the parallel path.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	6SE7041-8EK85-0LA0 / 6SE7041-8EK85-0LA0 recorded
Physical interface	compatible SIMOVERT MASTERDRIVES infeed units
Companion check	synchronization signal harness
Functional proof	Coordinates automatic synchronization between infeed units
Application test	Parallel infeed cabinet service

04 RETURN-TO-SERVICE RECORD

- ☐ Restore only the approved SIMOVERT MASTERDRIVES infeed-unit parallel hardware arrangement and configuration after replacement.
- ☐ Energize 6SE7041-8EK85-0LA0 in the documented sequence and review local, host and network diagnostics.
- ☐ Prove the intended controlled function and retain the final acceptance record before production release.
- ☐ Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	6SE7041-8EK85-0LA0
INSTALLED POSITION	Documented SIMOVERT MASTERDRIVES infeed-unit parallel hardware position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
6ES7288-1ST40-0AA1	Related Siemens product	View 6ES7288-1ST40-0AA1 page
6ES7288-1ST30-0AA1	Related Siemens product	View 6ES7288-1ST30-0AA1 page
6ES7288-1ST20-0AA1	Related Siemens product	View 6ES7288-1ST20-0AA1 page
6ES7288-1SR60-0AA1	Related Siemens product	View 6ES7288-1SR60-0AA1 page
6ES7288-1SR40-0AA1	Related Siemens product	View 6ES7288-1SR40-0AA1 page
6ES7288-1SR30-0AA1	Related Siemens product	View 6ES7288-1SR30-0AA1 page
6ES7288-1SR20-0AA1	Related Siemens product	View 6ES7288-1SR20-0AA1 page
6ES7515-2RM00-0AB0	Related Siemens product	View 6ES7515-2RM00-0AB0 page

SOURCE IDENTIFIERS

Siemens SiePortal product record
6SE7041-8EK85-0LA0

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