

INDUSTRIAL AUTOMATION PRODUCT

6SE7041-8EK85-0LA0

SIMOVERT MASTERDRIVES automatic synchronization module

It synchronizes compatible 380-480 V MASTERDRIVES infeed units in an engineered parallel arrangement.

IDENTITY	VERIFIED VALUE
Manufacturer	Siemens
System family	SIMOVERT MASTERDRIVES infeed-unit parallel hardware
Part number	6SE7041-8EK85-0LA0
Country	Germany
HS code	8537101190

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Technical Specifications

Technical values below are limited to the named Siemens product record.

PARAMETER	TECHNICAL 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

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED 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

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System Role and Architecture

It synchronizes compatible 380-480 V MASTERDRIVES infeed units in an engineered parallel arrangement.

FUNCTION 1

Coordinates automatic synchronization between infeed units

FUNCTION 2

Matches 380-480 V three-phase equipment

FUNCTION 3

Supports 50/60 Hz mains installations

FUNCTION 4

Interfaces the documented parallel-infeed control circuit

Matched system components

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

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
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

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Applications and Engineering Context

Parallel infeed cabinet service

Coordinates automatic synchronization between infeed units

Common DC-bus commissioning

Matches 380-480 V three-phase equipment

Synchronization circuit restoration

Supports 50/60 Hz mains installations

Multi-infeed interlock verification

Interfaces the documented parallel-infeed control circuit

TECHNICAL 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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	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

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Engineering Precautions

- 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.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
6ES7288-2DE08-0AA0	Related Siemens product	View 6ES7288-2DE08-0AA0 page
6ES7288-1CR60-0AA0	Related Siemens product	View 6ES7288-1CR60-0AA0 page
6ES7288-1CR40-0AA0	Related Siemens product	View 6ES7288-1CR40-0AA0 page
6ES7288-1CR60-0AA1	Related Siemens product	View 6ES7288-1CR60-0AA1 page
6ES7288-1CR40-0AA1	Related Siemens product	View 6ES7288-1CR40-0AA1 page
6ES7288-1CR30-0AA1	Related Siemens product	View 6ES7288-1CR30-0AA1 page
6ES7288-1CR20-0AA1	Related Siemens product	View 6ES7288-1CR20-0AA1 page
6ES7288-1ST60-0AA1	Related Siemens product	View 6ES7288-1ST60-0AA1 page

MANUFACTURER SOURCE RECORD

Siemens SiePortal product record

6SE7041-8EK85-0LA0

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