

6SE7041-8EK85-0LA0

SIMOVERT MASTERDRIVES automatic synchronization module

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

PRODUCT SNAPSHOT

BRAND

Siemens

FAMILY

SIMOVERT MASTERDRIVES infeed-unit parallel

PART

6SE7041-8EK85-0LA0

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PRODUCT OVERVIEW

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

- 1 Coordinates automatic synchronization between infeed units
- 2 Matches 380-480 V three-phase equipment
- 3 Supports 50/60 Hz mains installations
- 4 Interfaces the documented parallel-infeed control circuit

SYSTEM COMPONENTS

compatible SIMOVERT MASTERDRIVES infeed units

synchronization signal harness

common precharge and enable interlocks

approved parallel-infeed configuration

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.

TECHNICAL DATA

PARAMETER	VALUE
Article number	6SE7041-8EK85-0LA0
Equipment class	Automatic synchronization module
Supported equipment	Infeed units
AC equipment voltage	380-480 V 3 AC

PARAMETER	VALUE
AC frequency	50/60 Hz
Package size	54.5 x 37.5 x 6 cm
Quantity unit	1 piece
Packaging quantity	1

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
6ES7231-4HA30-0XB0	Related Siemens product	View 6ES7231-4HA30-0XB0 page
6ES7512-1CK01-0AB0	Related Siemens product	View 6ES7512-1CK01-0AB0 page
6ES7143-3BH00-0XA0	Related Siemens product	View 6ES7143-3BH00-0XA0 page
6ES7134-6HD01-0BA1	Related Siemens product	View 6ES7134-6HD01-0BA1 page
6ES7221-3BD30-0XB0	Related Siemens product	View 6ES7221-3BD30-0XB0 page
6ES7134-6GD01-0BA1	Related Siemens product	View 6ES7134-6GD01-0BA1 page
6ES7322-5HF00-0AB0	Related Siemens product	View 6ES7322-5HF00-0AB0 page
6SL3210-5FB10-4UF1	Related Siemens product	View 6SL3210-5FB10-4UF1 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

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

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

ENGINEER FAQ

Q1 Does 6SE7041-8EK85-0LA0 match compatible SIMOVERT MASTERDRIVES infeed units in a Parallel infeed cabinet service installation?

Verify the complete 6SE7041-8EK85-0LA0 marking, the documented SIMOVERT MASTERDRIVES infeed-unit parallel hardware position and the installed compatible SIMOVERT MASTERDRIVES infeed units before fitting the assembly.

Q3 Which SIMOVERT MASTERDRIVES infeed-unit parallel hardware records should be captured before removing 6SE7041-8EK85-0LA0?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 6SE7041-8EK85-0LA0 before disconnection.

Q5 Which synchronization signal harness condition should be checked when 6SE7041-8EK85-0LA0 reports an abnormal state?

Check the synchronization signal harness supply, seating and connection first, then compare channel diagnostics with the recorded 6SE7041-8EK85-0LA0 baseline.

Q7 What maintenance evidence is required after 6SE7041-8EK85-0LA0 is used for Synchronization circuit restoration?

Retain the nameplate record, corrective action, final diagnostics and a controlled synchronization circuit restoration functional-test result for 6SE7041-8EK85-0LA0.

Q2 How should 6SE7041-8EK85-0LA0 be wired when it must coordinates automatic synchronization between infeed units?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 6SE7041-8EK85-0LA0; then continuity-test the affected path.

Q4 What controlled test confirms that 6SE7041-8EK85-0LA0 can matches 380-480 v three-phase equipment?

Apply the approved field or simulated stimulus, observe the SIMOVERT MASTERDRIVES infeed-unit parallel hardware indication and confirm the intended response without bypassing the normal interlocks.

Q6 Can 6SE7041-8EK85-0LA0 be moved directly into Common DC-bus commissioning without validating approved parallel-infeed configuration?

No. Confirm the approved parallel-infeed configuration, revision, connection scheme and SIMOVERT MASTERDRIVES infeed-unit parallel hardware configuration before transferring 6SE7041-8EK85-0LA0 to that duty.

Q8 How should 6SE7041-8EK85-0LA0 be returned to service in Multi-infeed interlock verification?

Restore power under control, verify supports 50/60 hz mains installations, exercise the intended signal path and release 6SE7041-8EK85-0LA0 only after the SIMOVERT MASTERDRIVES infeed-unit parallel hardware remains in its approved operating state.

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

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