

6SE7090-0XX84-1CE0

SIMOVERT MASTERDRIVES IPI parallel switching module

CONTROLLED ENGINEERING COPY

Lock out every converter in the parallel group, document the IPI harness and unit order, then verify common interlocks and synchronized enable behavior before applying load.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	6SE7090-0XX84-1CE0
Manufacturer part	6SE7090-0XX84-1CE0
Hardware type	6SE7090-0XX84-1CE0
System family	SIMOVERT MASTERDRIVES parallel converter hardware



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01 PRE-INSTALLATION PLAN

- 1

Verify the complete 6SE7090-0XX84-1CE0 marking and its documented SIMOVERT MASTERDRIVES parallel converter hardware position before field work.
- 2

Place the connected equipment in the approved maintenance state before removing 6SE7090-0XX84-1CE0.
- 3

Isolate every applicable power, signal and stored-energy source, then prove a safe state at 6SE7090-0XX84-1CE0.
- 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

- parallel SIMOVERT MASTERDRIVES units
- IPI connection harness
- shared enable and interlock circuits
- approved converter control project

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	6SE7090-0XX84-1CE0 / 6SE7090-0XX84-1CE0 recorded
Physical interface	parallel SIMOVERT MASTERDRIVES units
Companion check	IPI connection harness
Functional proof	Coordinates the documented parallel switching path
Application test	Parallel drive cabinet service

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Article number	6SE7090-0XX84-1CE0
Module designation	IPI
Equipment class	Parallel switching module
Package length	35 cm
Package width	15 cm
Package height	3 cm
Quantity unit	1 piece
Packaging quantity	1

SYSTEM CONNECTION RECORD

CONNECTION ITEM	DOCUMENTED ASSIGNMENT
Installed host / carrier	parallel SIMOVERT MASTERDRIVES units
Companion hardware	IPI connection harness
Field connection	shared enable and interlock circuits
Primary system function	Coordinates the documented parallel switching path
Controlled acceptance duty	Parallel drive cabinet service

FIELD NOTE

Lock out every converter in the parallel group, document the IPI harness and unit order, then verify common interlocks and synchronized enable behavior before applying load.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	6SE7090-0XX84-1CE0 / 6SE7090-0XX84-1CE0 recorded
Physical interface	parallel SIMOVERT MASTERDRIVES units
Companion check	IPI connection harness
Functional proof	Coordinates the documented parallel switching path
Application test	Parallel drive cabinet service

04 RETURN-TO-SERVICE RECORD

- ☐ Restore only the approved SIMOVERT MASTERDRIVES parallel converter hardware arrangement and configuration after replacement.
- ☐ Energize 6SE7090-0XX84-1CE0 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	6SE7090-0XX84-1CE0
INSTALLED POSITION	Documented SIMOVERT MASTERDRIVES parallel converter 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
6ES7212-1AF40-0XB0	Related Siemens product	View 6ES7212-1AF40-0XB0 page
6ES7217-1AG40-0XB0	Related Siemens product	View 6ES7217-1AG40-0XB0 page
6ES7215-1AG40-0XB0	Related Siemens product	View 6ES7215-1AG40-0XB0 page
6ES7212-1HE40-0XB0	Related Siemens product	View 6ES7212-1HE40-0XB0 page
6ES7212-1BE40-0XB0	Related Siemens product	View 6ES7212-1BE40-0XB0 page
6ES7211-1BE40-0XB0	Related Siemens product	View 6ES7211-1BE40-0XB0 page
6ES7211-1AE40-0XB0	Related Siemens product	View 6ES7211-1AE40-0XB0 page
6ES7288-6EC01-0AA0	Related Siemens product	View 6ES7288-6EC01-0AA0 page

SOURCE IDENTIFIERS

Siemens SiePortal product record
6SE7090-0XX84-1CE0

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