

6SE7090-0XX84-1CE0

SIMOVERT MASTERDRIVES IPI parallel switching module

It provides the IPI coordination interface used in an engineered parallel MASTERDRIVES converter arrangement.

PRODUCT SNAPSHOT

BRAND

Siemens

FAMILY

SIMOVERT MASTERDRIVES parallel converter h

PART

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PRODUCT OVERVIEW

It provides the IPI coordination interface used in an engineered parallel MASTERDRIVES converter arrangement.

- 1 Coordinates the documented parallel switching path
- 2 Interfaces the installed IPI signal harness
- 3 Supports synchronized multi-converter operation
- 4 Retains the approved cabinet-level interlock architecture

SYSTEM COMPONENTS

parallel SIMOVERT MASTERDRIVES units

IPI connection harness

shared enable and interlock circuits

approved converter control project

TECHNICAL 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.

TECHNICAL DATA

PARAMETER	VALUE
Article number	6SE7090-0XX84-1CE0
Module designation	IPI
Equipment class	Parallel switching module
Package length	35 cm

PARAMETER	VALUE
Package width	15 cm
Package height	3 cm
Quantity unit	1 piece
Packaging quantity	1

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
6ES7288-7DP01-0AA0	Related Siemens product	View 6ES7288-7DP01-0AA0 page
6ES7288-5BA01-0AA0	Related Siemens product	View 6ES7288-5BA01-0AA0 page
6ES7288-5AQ01-0AA0	Related Siemens product	View 6ES7288-5AQ01-0AA0 page
6ES7288-5AE01-0AA0	Related Siemens product	View 6ES7288-5AE01-0AA0 page
6ES7288-5DT04-0AA0	Related Siemens product	View 6ES7288-5DT04-0AA0 page
6ES7288-5CM01-0AA0	Related Siemens product	View 6ES7288-5CM01-0AA0 page
6ES7288-3AT04-0AA0	Related Siemens product	View 6ES7288-3AT04-0AA0 page
6ES7288-3AR04-0AA0	Related Siemens product	View 6ES7288-3AR04-0AA0 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Parallel drive cabinet service

Coordinates the documented parallel switching path

Multi-converter synchronization checks

Interfaces the installed IPI signal harness

IPI signal-path restoration

Supports synchronized multi-converter operation

Controlled converter-bank commissioning

Retains the approved cabinet-level interlock architecture

PRODUCT PRECAUTIONS

- 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.
- 6 Restore only the approved SIMOVERT MASTERDRIVES parallel converter hardware hardware arrangement and configuration after replacement.
- 7 Energize 6SE7090-0XX84-1CE0 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 6SE7090-0XX84-1CE0 match parallel SIMOVERT MASTERDRIVES units in a Parallel drive cabinet service installation?

Verify the complete 6SE7090-0XX84-1CE0 marking, the documented SIMOVERT MASTERDRIVES parallel converter hardware position and the installed parallel SIMOVERT MASTERDRIVES units before fitting the assembly.

Q3 Which SIMOVERT MASTERDRIVES parallel converter hardware records should be captured before removing 6SE7090-0XX84-1CE0?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 6SE7090-0XX84-1CE0 before disconnection.

Q5 Which IPI connection harness condition should be checked when 6SE7090-0XX84-1CE0 reports an abnormal state?

Check the IPI connection harness supply, seating and connection first, then compare channel diagnostics with the recorded 6SE7090-0XX84-1CE0 baseline.

Q7 What maintenance evidence is required after 6SE7090-0XX84-1CE0 is used for IPI signal-path restoration?

Retain the nameplate record, corrective action, final diagnostics and a controlled ipi signal-path restoration functional-test result for 6SE7090-0XX84-1CE0.

Q2 How should 6SE7090-0XX84-1CE0 be wired when it must coordinates the documented parallel switching path?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 6SE7090-0XX84-1CE0; then continuity-test the affected path.

Q4 What controlled test confirms that 6SE7090-0XX84-1CE0 can interfaces the installed ipi signal harness?

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

Q6 Can 6SE7090-0XX84-1CE0 be moved directly into Multi-converter synchronization checks without validating approved converter control project?

No. Confirm the approved converter control project, revision, connection scheme and SIMOVERT MASTERDRIVES parallel converter hardware configuration before transferring 6SE7090-0XX84-1CE0 to that duty.

Q8 How should 6SE7090-0XX84-1CE0 be returned to service in Controlled converter-bank commissioning?

Restore power under control, verify supports synchronized multi-converter operation, exercise the intended signal path and release 6SE7090-0XX84-1CE0 only after the SIMOVERT MASTERDRIVES parallel converter hardware remains in its approved operating state.

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

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