

INDUSTRIAL AUTOMATION PRODUCT

6SE7090-0XX84-1CE0

SIMOVERT MASTERDRIVES IPI parallel switching module

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

IDENTITY	VERIFIED VALUE
Manufacturer	Siemens
System family	SIMOVERT MASTERDRIVES parallel converter hardware
Part number	6SE7090-0XX84-1CE0
Country	Germany
HS code	8537101190

APTER POWER SALES TEAM

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Technical Specifications

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

PARAMETER	TECHNICAL 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

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED 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

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System Role and Architecture

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

FUNCTION 1

Coordinates the documented parallel switching path

FUNCTION 2

Interfaces the installed IPI signal harness

FUNCTION 3

Supports synchronized multi-converter operation

FUNCTION 4

Retains the approved cabinet-level interlock architecture

Matched system components

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

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
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

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Applications and Engineering Context

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

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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	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

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Engineering 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.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
6GK1162-3AA00	Related Siemens product	View 6GK1162-3AA00 page
C98043-A7105-L4-9	Related Siemens product	View C98043-A7105-L4-9 page
6ES7653-2CE00-0XB0	Related Siemens product	View 6ES7653-2CE00-0XB0 page
6ES7653-2CC00-0XB0	Related Siemens product	View 6ES7653-2CC00-0XB0 page
6GK1503-3CD00	Related Siemens product	View 6GK1503-3CD00 page
6ES7312-5BF04-0AB0	Related Siemens product	View 6ES7312-5BF04-0AB0 page
6ES7392-1AM00-0AA0	Related Siemens product	View 6ES7392-1AM00-0AA0 page
6ES7132-4BD32-0AA0	Related Siemens product	View 6ES7132-4BD32-0AA0 page

MANUFACTURER SOURCE RECORD

Siemens SiePortal product record

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