

INDUSTRIAL AUTOMATION PRODUCT

6SE7090-0XX84-0FA0

SIMOVERT MASTERDRIVES SBP Pulse Encoder Board

Siemens 6SE7090-0XX84-0FA0 is the documented SIMOVERT MASTERDRIVES SBP Pulse Encoder Board for the SIMOVERT MASTERDRIVES Motion Control.

IDENTITY	VERIFIED VALUE
Manufacturer	Siemens
System family	SIMOVERT MASTERDRIVES Motion Control
Part number	6SE7090-0XX84-0FA0
Product role	Exact article identity: 6SE7090-0XX84-0FA0
Lifecycle	Installed product record

DOCUMENT SCOPE

Exact-article identity, technical data, host role, installation checks, applications, precautions and engineering verification.

MODEL-SPECIFIC ENGINEERING NOTE

Install 6SE7090-0XX84-0FA0 only in the documented SIMOVERT MASTERDRIVES Motion Control position.

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6SE7090-0XX84-0FA0

Technical Specifications

Technical values below are limited to the named Siemens product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Module type	SBP pulse encoder board	Pulse tracks	A, B and zero track
Encoder evaluation	HTL / TTL incremental encoder	Board size	90 x 83 mm

Verified Product Record

DATA GROUP	VERIFIED VALUE
Installed host / carrier	SIMOVERT MASTERDRIVES Motion Control
Primary system role	Exact article identity: 6SE7090-0XX84-0FA0
Connection boundary	Install 6SE7090-0XX84-0FA0 only in the documented SIMOVERT MASTERDRIVES Motion Control position.
Controlled acceptance duty	SIMOVERT MASTERDRIVES Motion Control planned maintenance

ENGINEERING BOUNDARY

Confirm 6SE7090-0XX84-0FA0, host hardware, connections, configuration and controlled test results before release.

Pre-Installation Checks

- 1

Confirm the complete 6SE7090-0XX84-0FA0 marking and the installed SIMOVERT MASTERDRIVES Motion Control position.
- 2

Place the driven machine and associated process in the approved maintenance state.
- 3

Isolate incoming power, prove stored DC-link energy discharged and use ESD controls.
- 4

Record every power, control, feedback, communication and protective-earth connection before removal.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	6SE7090-0XX84-0FA0
Installed host	SIMOVERT MASTERDRIVES Motion Control
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

TECHNICAL IDENTITY CROSS-CHECK

Module type SBP pulse encoder board	Encoder evaluation HTL / TTL incremental encoder
Pulse tracks A, B and zero track	Board size 90 x 83 mm

System Role and Architecture

Siemens 6SE7090-0XX84-0FA0 is the documented SIMOVERT MASTERDRIVES SBP Pulse Encoder Board for the SIMOVERT MASTERDRIVES Motion Control.

FUNCTION 1
Exact article identity: 6SE7090-0XX84-0FA0

FUNCTION 2
Documented component: SIMOVERT MASTERDRIVES SBP Pulse Encoder Board

FUNCTION 3
Installed family: SIMOVERT MASTERDRIVES Motion Control

FUNCTION 4
Controlled replacement and verification workflow

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	SIMOVERT MASTERDRIVES Motion Control
2	HTL / TTL incremental encoder
3	SIMOVERT MASTERDRIVES Motion Control planned maintenance
4	Install 6SE7090-0XX84-0FA0 only in the documented SIMOVERT MASTERDRIVES Motion Control position.

System Integration Record

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	SIMOVERT MASTERDRIVES Motion Control
Interface role	Exact article identity: 6SE7090-0XX84-0FA0
Field / power context	The component is used with the exact host, connectors, power interfaces and configuration identified for 6SE7090-0XX84-0FA0.
Commissioning evidence	Complete a controlled no-load or safe-point functional test before returning the machine to service.

Installation and Connection Checks

- 1

Verify the installed host hardware and all values documented for 6SE7090-0XX84-0FA0 against the official source.
- 2

Restore the approved hardware execution, connector arrangement and project or parameter record.
- 3

Energize in the prescribed sequence and review drive, board and communication diagnostics.
- 4

Complete a controlled no-load or safe-point functional test before returning the machine to service.

MANUFACTURER SOURCE RECORD

SIMOVERT MASTERDRIVES Option Boards Operating Instructions
6SE7087-6NX84-0FF5, 05/2006

Applications and Engineering Context

SIMOVERT MASTERDRIVES Motion Control planned maintenance

Restores the documented SBP pulse-encoder evaluation board for incremental encoder signals during a controlled cabinet service.

SIMOVERT MASTERDRIVES SBP Pulse Encoder Board replacement

Uses the exact 6SE7090-0XX84-0FA0 identity to avoid an adjacent hardware execution.

Drive-system refurbishment

Preserves the recorded power, control, communication and protective-earth arrangement.

Controlled recommissioning

Confirms diagnostics and the affected drive function before automatic operation.

TECHNICAL NOTE

Install 6SE7090-0XX84-0FA0 only in the documented SIMOVERT MASTERDRIVES Motion Control position.

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	6SE7090-0XX84-0FA0 recorded
Host / carrier	SIMOVERT MASTERDRIVES Motion Control
Physical interface	Exact article identity: 6SE7090-0XX84-0FA0
Configuration	Energize in the prescribed sequence and review drive, board and communication diagnostics.
Functional proof	Complete a controlled no-load or safe-point functional test before returning the machine to service.

IMPORTANT NOTICE

Confirm 6SE7090-0XX84-0FA0, host hardware, connections, configuration and controlled test results before release.

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	6SE7090-0XX84-0FA0
Approved role	SIMOVERT MASTERDRIVES Motion Control planned maintenance
Final validation	Complete a controlled no-load or safe-point functional test before returning the machine to service.

Engineering Precautions

1	Confirm the complete 6SE7090-0XX84-0FA0 marking and the installed SIMOVERT MASTERDRIVES Motion Control position.	2	Place the driven machine and associated process in the approved maintenance state.
3	Isolate incoming power, prove stored DC-link energy discharged and use ESD controls.	4	Record every power, control, feedback, communication and protective-earth connection before removal.
5	Verify the installed host hardware and all values documented for 6SE7090-0XX84-0FA0 against the official source.	6	Restore the approved hardware execution, connector arrangement and project or parameter record.
7	Energize in the prescribed sequence and review drive, board and communication diagnostics.	8	Complete a controlled no-load or safe-point functional test before returning the machine to service.

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
6SL3210-1PE21-1AL0	product page	View 6SL3210-1PE21-1AL0 page
6SL3210-1PE21-8AL0	product page	View 6SL3210-1PE21-8AL0 page
6SL3246-0BA22-1FA0	product page	View 6SL3246-0BA22-1FA0 page
6SL3210-1PE27-5AL0	product page	View 6SL3210-1PE27-5AL0 page
6SL3100-0BE23-6AB0	product page	View 6SL3100-0BE23-6AB0 page
6SL3210-1PE31-8UL0-944434	product page	View 6SL3210-1PE31-8UL0-944434 page
6SL3320-1TE33-1AA3	product page	View 6SL3320-1TE33-1AA3 page
A5E45508683002	product page	View A5E45508683002 page

MANUFACTURER SOURCE RECORD

SIMOVERT MASTERDRIVES Option Boards Operating Instructions
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