

6SE7090-0XX84-3EH0

SIMOVERT MASTERDRIVES SE300 Terminal Module

INSTALLATION, INTERFACE AND VALIDATION WORKBOOK

Siemens 6SE7090-0XX84-3EH0 is a SIMOVERT MASTERDRIVES SE300 Terminal Module for the SIMOVERT MASTERDRIVES T300 technology system. It performs the documented SE300 terminal module for the T300 technology board within the matched drive configuration.

STEP	GATE	ENGINEERING PURPOSE
01	IDENTIFY	Confirm article, host and hardware
02	ISOLATE	Secure power and stored energy
03	CONNECT	Restore documented interfaces
04	VALIDATE	Prove diagnostics and function

WORKBOOK PURPOSE

Field-ready identity, isolation, connection, commissioning and closeout records for this exact Siemens article.

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



6SE7090-0XX84-3EH0

Installation Readiness Gate

Complete the identity, host-system and isolation checks before disturbing the installed hardware.

- 1 Confirm the complete 6SE7090-0XX84-3EH0 marking and the installed SIMOVERT MASTERDRIVES T300 technology system 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.

Pre-Work Evidence

EVIDENCE ITEM	RECORDED VALUE
Complete article marking	6SE7090-0XX84-3EH0
Host / carrier	SIMOVERT MASTERDRIVES T300 technology system
Primary system role	Provides the documented SE300 terminal module for the T300 technology board
Acceptance boundary	Complete a controlled no-load or safe-point functional test before returning the machine to service.
Source record	SIMOVERT MASTERDRIVES T300 Operating Instructions

WORK AUTHORIZATION RECORD

Work order: _____ Drawing / revision: _____
 Checked by: _____ Date: _____

Isolation and Access Register

CONTROL POINT	ENGINEER RECORD
Incoming supply	Isolated / proved
Stored energy	Discharged / proved
Field connections	Identified / protected
ESD control	Established / recorded

Pre-Work Documentation

DOCUMENT	ENGINEER RECORD
Connection photograph	Reference / file
Configuration backup	Reference / revision
Diagnostic baseline	Reference / result

Connection and Installation Sequence

INSTALLATION PRINCIPLE

Install 6SE7090-0XX84-3EH0 only in the documented SIMOVERT MASTERDRIVES T300 technology system position. Preserve the as-found wiring, hardware revision and configuration, then verify diagnostics and the affected SE300 terminal module for the T300 technology board under controlled conditions.

- 1 Verify the installed host hardware and all values documented for 6SE7090-0XX84-3EH0 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.

Connection Record

CONNECTION GROUP	AS-FOUND / AS-LEFT RECORD	STATUS
Power / field connection	Reference / terminal	Checked
Signal / interface	Reference / connector	Checked
Ground / shield	Reference / point	Checked
Accessory / carrier	Reference / part	Checked

MODEL-SPECIFIC RELEASE LIMIT

Confirm 6SE7090-0XX84-3EH0, SIMOVERT MASTERDRIVES T300 technology system host, hardware revision, connectors and terminals, power class, feedback or fieldbus options, grounding, cooling, firmware or parameter set, accessories and controlled commissioning results before service release.

Interface Acceptance Criteria

ACCEPTANCE ITEM	REQUIRED EVIDENCE
Identity	6SE7090-0XX84-3EH0
Host match	SIMOVERT MASTERDRIVES T300 technology system
Connection proof	Restore the approved hardware execution, connector arrangement and project or parameter record.
Configuration proof	Energize in the prescribed sequence and review drive, board and communication diagnostics.

Commissioning and Acceptance Record

Record each controlled verification step before the equipment returns to automatic operation.

NO.	ACCEPTANCE CHECK	RESULT	RECORD
1	Article and host identity	PASS / FAIL	Initial / date
2	Mechanical installation	PASS / FAIL	Initial / date
3	Power and field wiring	PASS / FAIL	Initial / date
4	Grounding and shielding	PASS / FAIL	Initial / date
5	Configuration restoration	PASS / FAIL	Initial / date
6	Signal or power-path response	PASS / FAIL	Initial / date
7	Diagnostics and alarms	PASS / FAIL	Initial / date
8	Final functional release	PASS / FAIL	Initial / date

Engineering Notes

RECORD AREA	ENGINEER ENTRY
As-found condition	
Corrective action	
As-left configuration	
Outstanding restriction	
Release authorization	

CONTROLLED COMMISSIONING

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

Diagnostics and Release Log

EVENT	ENGINEERING RECORD
Initial energization	Result / observation
Interface or signal response	Result / observation
Alarm and diagnostic review	Result / observation
Functional release	Name / date

ACCEPTANCE AND RELEASE EVIDENCE

SIMOVERT MASTERDRIVES T300 technology system planned maintenance
Restores the documented SE300 terminal module for the T300 technology board during a controlled cabinet service.

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

SIMOVERT MASTERDRIVES SE300 Terminal Module replacement
Uses the exact 6SE7090-0XX84-3EH0 identity to avoid an adjacent hardware execution.

Controlled recommissioning
Confirms diagnostics and the affected drive function before automatic operation.

Maintenance Verification and Closeout

SIMOVERT MASTERDRIVES T300 technology system planned maintenance

Restores the documented SE300 terminal module for the T300 technology board during a controlled cabinet service.

SIMOVERT MASTERDRIVES SE300 Terminal Module replacement

Uses the exact 6SE7090-0XX84-3EH0 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.

Related Engineering Pages

MODEL	ENGINEERING ROLE	APTER POWER PAGE
6RA8075-6DS22-0AA0	product page	View 6RA8075-6DS22-0AA0 page
6SL3350-6TK00-0BA0	product page	View 6SL3350-6TK00-0BA0 page
6SL3351-1AE37-5BA1	product page	View 6SL3351-1AE37-5BA1 page
6SL3352-1AE37-5BA1	product page	View 6SL3352-1AE37-5BA1 page
6SE7090-0XX84-3DB1	product page	View 6SE7090-0XX84-3DB1 page
6SE7041-8EK85-1HA0	product page	View 6SE7041-8EK85-1HA0 page
6SE7041-8EK85-0HA0	product page	View 6SE7041-8EK85-0HA0 page
6SE7041-8GK85-0HA0	product page	View 6SE7041-8GK85-0HA0 page

MANUFACTURER SOURCE RECORD

SIMOVERT MASTERDRIVES T300 Operating Instructions
Siemens T300 / SE300 option-board documentation

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



6SE7090-0XX84-3EH0