

Installation Instructions

6SL3985-6TM00-0AA0

GM150 thyristor module board

SINAMICS GM150 medium-voltage drives

Before work begins

- 01 Confirm the exact 6SL3985-6TM00-0AA0 article number and installed power-section position.
- 02 Place the drive in a safe state, isolate all energy sources and wait the Siemens discharge time.
- 03 Record busbars, connectors, gate leads, cooling connections and protective-earth conductors.
- 04 Use ESD controls and qualified drive-service personnel throughout the replacement.

Model-specific connection checks

Component Class	GM150 thyristor module board
Drive Family	SINAMICS GM150 medium-voltage drives
Primary Function	Controls medium-voltage thyristor stage
Power Architecture	GM150TYP firing electronics
Voltage Class	3.3 kV drive class
Current Rating	Power-stack defined current
Control Supply	24 V DC at X21
Power Section	Medium-voltage converter section
Mechanical Design	Protected trigger-board assembly
Electrical Interface	X21 and firing interfaces

Installation sequence

- Inspect the replacement for transport damage, contamination, bent pins and altered keying.
- Install without forcing connectors or busbars; restore all shields, grounds and cooling seals.
- Torque power connections and secure cable supports under the applicable Siemens procedure.

Commissioning and return to service

- 01 Verify isolation and firing sequence.
- 02 Check insulation and protective-earth continuity before energising..
- 03 Restore auxiliary and main power in the approved sequence..
- 04 Observe interface, control-unit and power-section diagnostics..
- 05 Test the connected motor or DC-drive function at a controlled operating point..
- 06 Record the final article number, test results and maintenance approval..

This AMIKON installation reference supplements the applicable Siemens controlled documentation and the site safety procedure.
Warranty: 12 months from AMIKON.