

Installation Instructions

1FL6042-1AF61-2AA1

industrial AC servo motor

SINAMICS V90 servo systems

Before work begins

- 01 Confirm the exact 1FL6042-1AF61-2AA1 article number and installed equipment position.
- 02 Place the equipment in a safe state, isolate all energy sources and follow the applicable Siemens discharge or lockout procedure.
- 03 Record terminals, connectors, signal cables, cooling provisions and protective-earth conductors.
- 04 Use ESD controls and qualified industrial-service personnel throughout the replacement.

Model-specific connection checks

Component Class	servo motor service
Drive Family	SINAMICS drive systems
Primary Function	Drives a controlled positioning axis
Power Architecture	1FL6042-1AF61-2AA1 industrial architecture
Voltage Class	Installed equipment voltage class
Current Rating	Model-specific channel current
Control Supply	24 V DC control class
Power Section	SINAMICS drive systems service section
Mechanical Design	1FL6042-1AF61-2AA1 service assembly
Electrical Interface	1FL6042-1AF61-2AA1 keyed connector set

Installation sequence

- Inspect the replacement for transport damage, contamination, bent pins and altered keying.
- Install without forcing connectors or terminals; restore all shields, grounds and cooling provisions.
- Secure power and signal connections under the applicable manufacturer procedure.

Commissioning and return to service

- 01 Validate 1FL6042-1AF61-2AA1 diagnostics and function.
- 02 Check insulation and protective-earth continuity before energising..
- 03 Restore auxiliary and main power in the approved sequence..
- 04 Observe controller, interface and equipment diagnostics..
- 05 Test the connected signal, network, motor or power 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.