

FIELD INSTALLATION QUICK GUIDE

Installation Instructions

6FC5303-0AF23-0AA1

MCP 310C PN machine control panel



PRODUCT	6FC5303-0AF23-0AA1
FAMILY	SINUMERIK machine control panels
FUNCTION	MCP 310C PN machine control panel
STATUS	Verify exact installed equipment

Prepared by Amikon Limited from Siemens Sinumerik documentation. This guide supplements the complete manufacturer manual and site procedure.

01

CONFIRM THE ORDERED CONFIGURATION

Panel Type	MCP 310C PN
Panel Width	310 mm
Network Interface	PROFINET / Industrial Ethernet
Key Type	Mechanical keys
Machine Interface	SINUMERIK operator panel bus
Installation Type	Panel mounting

02

PREPARATION AND CONNECTION

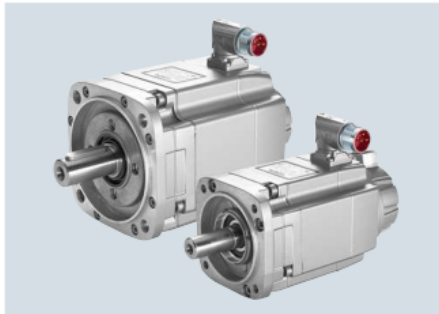
- Confirm the complete 6FC5303-0AF23-0AA1 article number and installed revision.
- Isolate applicable electrical and process energy using the approved site procedure.
- Record every connector, cable, terminal, shield and protective-earth connection before removal.
- Install without forcing keyed parts, then secure terminals, latches, fasteners and cable supports.

© Siemens AG 2018

Introduction SIMOTICS motors

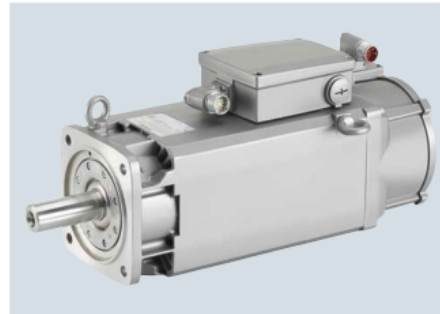
1

Overview



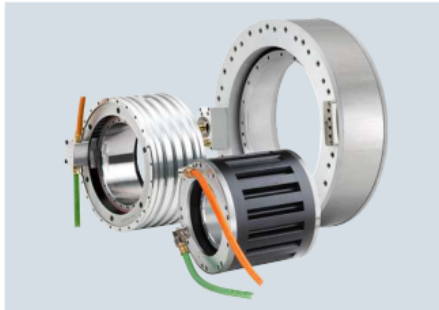
**SIMOTICS S-1FK7 feed motors –
maximum precision in the machine**

The performance and accuracy of the CNC control and drive are useful only if they can be transferred to the machine axes. Thanks to their unique dynamic response and accuracy, SIMOTICS S-1FK7 feed motors are exactly suited for this purpose.



**SIMOTICS M-1PH8 spindle motors –
peak performance for the spindle**

With the SIMOTICS M-1PH8 spindle motors we offer the perfect solution for this purpose. Very fast acceleration times and a wide speed range with high output guarantee maximum productivity of the machine – with speeds of up to 24000 rpm.



SIMOTICS T-1FW6 torque motors

The torque motors satisfy the most exacting demands in precision, performance and dynamic response. Permanent-magnet synchronous motors with a high number of poles are fully integrated in the machine, and mechanical transmission elements such as gear units are omitted, so you benefit from greater flexibility with regard to installation, easier servicing, higher availability and minimal space requirements.

We can also provide customized solutions

In addition to the range of motors described, we offer a comprehensive range of solutions for feed and spindle applications. Your Siemens sales representative will be happy to advise you on how to configure your individual equipment.

You will find further information, as well as the full range of available motors, in our Catalog NC 62 or on the Siemens Industry Mall at:

www.siemens.com/industrymall

04 COMMISSIONING CHECKS

- 01 Confirm product identity and mechanical seating.
- 02 Verify the documented supply before energising.
- 03 Inspect polarity, shielding and protective-earth connections.
- 04 Restore power in the approved sequence and observe status indications.
- 05 Test each connected input, output or communication path.
- 06 Record diagnostics and functional-test results before return to service.

05 CONTROLLED DOCUMENT

Official source	Siemens official product documentation
Product record	6FC5303-0AF23-0AA1
Manufacturer	Siemens Sinumerik
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM