

Installation Instructions

6RA8075-6DS22-0AA0

Two-quadrant DC converter

SINAMICS DCM

Before work begins

- 01 Confirm the exact 6RA8075-6DS22-0AA0 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

Converter Topology	B6C two-quadrant armature converter
Rated Armature Supply	400 V 3 AC
Rated Input Current	174 A
Rated DC Output	485 V DC
Rated DC Current	210 A
Rated DC Power	102 kW
Overload Capability	1.8 × rated current
Field Supply	Up to 400 V 2 AC
Rated Field Current	15 A DC
Electronics Supply	380–480 V or 190–240 V 2 AC

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

01 268 × 385 × 252 mm.

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.