

SINAMICS DCM

Product Data Sheet

6RA8075-6DS22-0AA0

Two-quadrant DC converter

FUNCTION Two-quadrant DC converter	FAMILY SINAMICS DCM	ORIGIN Germany	WEIGHT 15 kg
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Siemens SINAMICS 6RA8075-6DS22-0AA0 is a Two-quadrant DC converter for the SINAMICS DCM. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

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

ADDITIONAL PRODUCT DATA

Supply Frequency	45 to 65 Hz
Cooling Requirement	300 m³/h forced air
Sound Pressure	52.4 dB(A)
Ambient Temperature	0 to +40 °C at rated current
Converter Dimensions	268 × 385 × 252 mm

OFFICIAL APPLICATIONS

- Restore the documented Two-quadrant DC converter: Use 6RA8075-6DS22-0AA0 for 174 a only after confirming the complete installed drive designation, voltage class and physical interface.
- Match the 210 A installation: Compare the nameplate, module position, connectors, cooling arrangement and mating power hardware before removing the existing component.
- Complete model-specific verification: 268 × 385 × 252 mm. Then energise under the approved Siemens procedure, review diagnostics and test the affected motor or DC-drive function before service.

SYSTEM COMPATIBILITY

Match 6RA8075-6DS22-0AA0 to the installed SINAMICS DCM, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

Siemens SINAMICS / SIMOVERT manufacturer documentation

<https://mall.industry.siemens.com/>

AMIKON PRODUCT SUPPORT

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