

SIMOVERT MASTERDRIVES

Product Data Sheet

6SE7028-0ES87-2DA1

Compact braking power module

FUNCTION Compact braking power module	FAMILY SIMOVERT MASTERDRIVES	ORIGIN Germany	WEIGHT 8 kg
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Siemens SIMOVERT 6SE7028-0ES87-2DA1 is a Compact braking power module for the SIMOVERT MASTERDRIVES. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Component Class	Compact braking power module
Drive Family	SIMOVERT MASTERDRIVES
Primary Function	Dissipates regenerated DC-link energy through a braking resistor
Power Architecture	Compact braking chopper
Voltage Class	510–650 V DC link
Current Rating	50 kW braking class
Power Section	DC-link braking section
Mechanical Design	IP20 Compact Plus module
Electrical Interface	DC link and braking-resistor terminals
Commissioning Check	Verify threshold, resistor circuit and alarms

- Apply the regenerative energy control: Use 6SE7028-0ES87-2DA1 to dissipates regenerated dc-link energy through a braking resistor within the documented SIMOVERT MASTERDRIVES. Confirm the dc-link braking section, electrical class and controlled system drawing before work.
- Prepare the braking resistor circuit: Record dc link and braking-resistor terminals, adjacent assemblies, cable routing, protective earth and configuration data. Preserve the exact 50 kW braking module arrangement during replacement.
- Complete the chopper threshold test: Verify threshold, resistor circuit and alarms. Review Siemens diagnostics and record the final 50 kW braking module result before returning the affected function to service.

Match 6SE7028-0ES87-2DA1 to the installed SIMOVERT MASTERDRIVES, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[Siemens manufacturer documentation](#)

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