

SIMOVERT MASTERDRIVES

# Product Data Sheet

## 6SY7000-0AF12

IGBT transistor module BSM400GA120 DN2S

| FUNCTION                                | FAMILY                | ORIGIN  | WEIGHT   |
|-----------------------------------------|-----------------------|---------|----------|
| IGBT transistor module BSM400GA120 DN2S | SIMOVERT MASTERDRIVES | Hungary | 0.272 kg |

Siemens 6SY7000-0AF12 is a IGBT transistor module BSM400GA120 DN2S for the SIMOVERT MASTERDRIVES. The values below are limited to the exact documented article.

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## VERIFIED TECHNICAL DATA

|                         |                                   |
|-------------------------|-----------------------------------|
| Semiconductor type      | BSM400GA120 DN2S                  |
| Rated current           | 400 A                             |
| Rated voltage           | 1200 V                            |
| Compatible gate drive   | IGD 6SE70 series                  |
| Approved interface      | 6SE70 EG84 1JF1                   |
| Technology              | Insulated gate bipolar transistor |
| Cooling context         | Mounted to drive heat sink        |
| Application             | Industrial drive power conversion |
| Approved gate driver    | 6SE70 EG84 1JF1                   |
| Semiconductor structure | Dual IGBT power module            |

## ADDITIONAL PRODUCT DATA

|                       |                                      |
|-----------------------|--------------------------------------|
| Power terminals       | High current screw terminals         |
| Gate connection       | Dedicated insulated gate interface   |
| Thermal interface     | Drive heat sink mounting surface     |
| Switching application | SIMOVERT converter power stage       |
| Replacement class     | Original Siemens semiconductor spare |

## OFFICIAL APPLICATIONS

- Industrial Manufacturing and Continuous Production: Discrete manufacturing and assembly production; Continuous industrial production operations
- Municipal Water and Industrial Wastewater Services: Municipal water treatment services; Industrial wastewater treatment operations
- Thermal, Hydroelectric and Renewable Power Generation: Thermal and hydroelectric power production; Renewable generation and energy integration

## SYSTEM COMPATIBILITY

Match 6SY7000-0AF12 to the installed SIMOVERT MASTERDRIVES, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

## OFFICIAL SOURCES

[Siemens official technical documentation for 6SY7000-0AF12](#)

Applicable manufacturer documentation retained in Manuals & support

AMIKON PRODUCT SUPPORT

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