

SIMOVERT POWER SEMICONDUCTOR ASSEMBLIES

Product Data Sheet

T589N16TOF

high current thyristor module

FUNCTION high current thyristor module	FAMILY SIMOVERT power semiconductor assem	ORIGIN Germany	WEIGHT Confirm before dispatch
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Siemens SINAMICS T589N16TOF is a high current thyristor module for the SIMOVERT power semiconductor assemblies. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Component Class	high current thyristor module
Drive Family	SINAMICS drive systems
Primary Function	Provides the documented high current thyristor module function
Power Architecture	T589N16TOF industrial architecture
Voltage Class	Installed equipment voltage class
Current Rating	Model-specific channel current
Control Supply	24 V DC control class
Power Section	SINAMICS drive systems service section
Mechanical Design	T589N16TOF service assembly
Electrical Interface	T589N16TOF keyed connector set

ADDITIONAL PRODUCT DATA

Cooling Integration	SINAMICS drive systems cooling practice
Board Designation	T589N16TOF exact designation
Service Role	T589N16TOF maintenance role
Product Status	T589N16TOF identity verification
Commissioning Check	Validate T589N16TOF diagnostics and function

OFFICIAL APPLICATIONS

- Apply the high current thyristor module: Use T589N16TOF to provide the documented high current thyristor module function within the documented SIMOVERT power semiconductor assemblies. Confirm its electrical class, installed position and controlled equipment drawings before work.
- Match the T589N16TOF keyed connector set: Record connector keying, cable labels, shielding, protective earth and adjacent assemblies. Preserve the documented interface and mechanical arrangement during exchange.
- Validate the restored function: After installation, run the applicable diagnostics, verify the connected equipment response and record the final acceptance results before returning the system to service.

SYSTEM COMPATIBILITY

Match T589N16TOF to the installed SIMOVERT power semiconductor assemblies, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

Siemens manufacturer documentation

<https://mall.industry.siemens.com/mall/en/WW/Catalog/Product/T589N16TOF>

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM