SINAMICS S120

Product Data Sheet

6SL3120-2TE13-0AA3

Booksize Double Motor Module

DC LINK VOLTAGE	ELECTRONICS SUPPLY	RATED OUTPUT CURRENT	BASE-LOAD CURRENT
510–750 V DC	**24 V DC nominal, 20.4–28.8 V DC**	**2 x 3 A**	**2 x 2.6 A**

Siemens 6SL3120-2TE13-0AA3 is a SINAMICS S120 booksize Double Motor Module for two axes. The 2TE13-0AAx specification lists 3 A rated output current per axis and internal fan cooling.

01 TECHNICAL DATA

DC link voltage	510–750 V DC
Electronics supply	24 V DC nominal, 20.4–28.8 V DC
Rated output current	2 x 3 A
Base-load current	2 x 2.6 A
S6 current at 40% duty	2 x 3.5 A
Peak output current	2 x 6 A
Maximum pulse frequency without derating	4 kHz
Maximum pulse frequency with derating	16 kHz
DC-link busbar capacity	100 A
24 V busbar capacity	20 A

Siemens GH2 Booksize Power Units, 2TE13-0AAx family, PDF p. 176

02 ADDITIONAL PRODUCT DATA

DC-link capacitance	110 µF
Cooling	Internal fan
Cooling airflow requirement	29.6 m³/h
Maximum ambient without derating	40 °C
Maximum ambient with derating	55 °C

03 PRODUCT FUNCTION

The module uses a 510–750 V DC link and a nominal 24 V DC electronics supply. Siemens specifies 2.6 A base-load current per axis and calls for derating above the applicable ambient temperature or pulse-frequency limits.

04 SYSTEM COMPATIBILITY

Allow the documented airflow for the internally cooled booksize module. Use the Siemens derating curves when cabinet temperature or pulse frequency exceeds the undiminished rating conditions.

05 REFERENCE

Siemens GH2 Booksize Power Units, 2TE13-0AAx family, PDF p. 176

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