SINAMICS S120 BOOKSIZE

Product Data Sheet

6SL3120-1TE15-0AA3

Booksize single motor module

DC LINK RANGE	RATED OUTPUT CURRENT	BASE LOAD CURRENT	S6 DUTY CURRENT
510...720 V DC	**5 A**	**4.3 A**	**6 A at 40% duty**

Siemens 6SL3120-1TE15-0AA3 is an internally air-cooled SINAMICS S120 Single Motor Module in Booksize format. The single-axis power stage operates from a 510...720 V DC link and provides 5 A rated output current, with a 2.7 kW power reference at a 600 V DC link.

01 TECHNICAL DATA

DC link range	510...720 V DC
Rated output current	5 A
Base load current	4.3 A
S6 duty current	6 A at 40% duty
Maximum output current	10 A
Output power at 600 V DC	2.7 kW
Rated pulse frequency	4 kHz
Rated DC link current	6 A
DC link capacitance	110 microfarad
Maximum electronics current	0.85 A at 24 V DC

Siemens NC61 2007/2008, SINAMICS S120 Booksize Single Motor Modules, pages 9/47 and 9/48

02 ADDITIONAL PRODUCT DATA

Internal-cooling power loss	55 W at rated power, excluding electronics
DRIVE-CLiQ connections	Three sockets
Motor brake connection	24 V DC, 2 A through X1
Maximum shielded motor cable	50 m
Maximum unshielded motor cable	75 m

03 PRODUCT FUNCTION

The module uses a 4 kHz rated pulse frequency, three DRIVE-CLiQ sockets and integrated DC-link and 24 V busbar connections. Its 50 mm-wide IP20 housing includes motor and brake connection facilities, a temperature-sensor input and safe-standstill interface; the maximum output current is 10 A under the published duty limits.

04 SYSTEM COMPATIBILITY

Observe the common busbar current limits: 20 A for the 24 V electronics bars and 100 A for the DC-link bars. Provide the documented additional 24 V connection if the combined side-by-side demand exceeds the electronics-bus capacity.

05 REFERENCE

Siemens NC61 2007/2008, SINAMICS S120 Booksize Single Motor Modules, pages 9/47 and 9/48

AMIKON PRODUCT SUPPORT

+86-18020776786 INFO@AMIKON.CN **AMIKONG.COM**