AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6SL3120-1TE24-5AA3

SINAMICS Motor Module

TYPE	REFERENCE	SCOPE	OPTIONS
SINAMICS Motor Module	**6SL3120-1TE24-5AA3**	**Exact-model data**	**Check order**

Siemens 6SL3120-1TE24-5AA3 is a SINAMICS Motor Module with a rated output current of 45.0 A and rated power of 24.0 kW based on IN. Its DC-link input is specified for 510-720 V, with a separate 24 V DC electronics supply.

01 DOCUMENTED PRODUCT REFERENCE

Electronics power supply	DC 24 V -15 % / +20 %
Current demand, max	1.20 A
Rated output current IN	45.0 A
Base load current IH	38.0 A
S6 duty current at 40% duty cycle	60.0 A
Maximum current	85.0 A
Rated power based on IN	24.0 kW
Rated power based on IH	21.0 kW

Siemens exact-model data sheet. Verify the complete supplied product identity.

02 TECHNICAL DATA

Installation altitude (without derating)	1,000 m (3,281 ft)
Cooling air requirement	0.031 m3/s
Operating ambient temperature	0 ... 40 °C (32 ... 104 °F)
Maximum motor-cable length, shielded	100 m (328 ft)
Maximum motor-cable length, unshielded	150 m (492 ft)
Degree of protection	IP20 / UL open type
Sound pressure level (1m)	65.0 dB

03 APPLICATION AND CONFIGURATION

- Motor power conversion within the documented SINAMICS arrangement.
- Retain the complete 6SL3120-1TE24-5AA3 order code.
- Match the documented electrical, interface and environmental requirements.
- Consult the applicable wiring and installation instructions.
- Verify supplied-unit markings before installation.

04 OFFICIAL DOCUMENTATION

Siemens Motor Module Data Sheet

Source: Siemens official exact-model data sheet; 1 source page(s).

Selected manufacturer data applies to the identified component and documented conditions. Check the full ordering configuration. Consult the applicable installation instructions before selecting, installing or replacing equipment.

AMIKON PRODUCT SUPPORT

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