SIEMENS

Data sheet for Motor Module

Article No. : **6SL3325-1TE41-4AA3**



Figure similar

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Rated data

DC link voltage	DC 510 ... 720 V
24 V DC auxiliary power supply	1.50 A
DC-link current	
Rated current I_N DC	
- Basic/Smart Line Module	1,714 A
- Active Line Module	1,544 A
Base-load current I_L DC	
- Basic/Smart Line Module	1,670 A
- Active Line Module	1,500 A
Base-load current I_H DC	
- Basic/Smart Line Module	1,532 A
- Active Line Module	1,377 A
Output current	
Rated value I_N	1,405 A
Base-load current I_L [1]	1,370 A
Base load current I_H [2]	1,257 A
I_{max}	2,055 A
Type rating [3]	
Based on $_{IN}$ 350 kW 350 kW	800 kW
Based on $_{IH}$ 200 kW 200 kW	710 kW
Pulse frequency	
Rated pulse frequency [4]	1.25 kHz
Pulse frequency, max.	8.00 kHz
DC link capacitance	29,000 µF
Output frequency for servo control	0 ... 550 Hz
Output frequency for V/f control	0 ... 550 Hz
Output frequency for vector control	0 ... 550 Hz

Ambient conditions

Installation altitude (without derating)	2,000 m (6,561.68 ft)
Cooling [5]	Liquid cooling
Cooling requirement	27.00 l/min
Ambient temperature	
During operation	0 ... 45 °C (32 ... 113 °F)

Connections

Motor end	
Conductor cross-section	4 x 240 mm²
DC link	
Version	2 x Hole for M12 busbar
PE1 connection	
Max. motor cable length [6]	
Shielded	300 m (984.25 ft)
Unshielded	450 m (1,476.38 ft)

Standards

Compliance with standards	CE, cULus
Safety Integrated	SIL 2 acc. to IEC 61508, PL d acc. to EN ISO 13849-1, Category 3 acc. to EN ISO 13849-1

Mechanical data

Dimensions	
Width	295 mm (11.60 in)
Height	1,516 mm (59.70 in)
Depth	545 mm (21.46 in)
Degree of protection	IP20
Type of construction	Chassis
Weight approx.	220 kg (485.00 lb)

General tech. specifications

Sound pressure level (1m) + 50 Hz / 60 Hz	56 dB / 56 dB
Power loss, max. [7]	
Power loss (50 Hz 400 V)	10.20 kW
Power loss (60 Hz 460 V)	11.20 kW

[1] The base-load current IL is the basis for a duty cycle of 110% for 60 s or 150% for 10 s with a duty cycle duration of 300 s.
[2] The base load current IH is based on a duty cycle of 150% for 60 s or 160% for 10 s with a duty cycle duration of 300 s.
[3] Rated power of a typical 6-pole standard induction motor based on IL or IH at 3 AC 50 Hz 500 V or 690 V, 3 AC 60 Hz 575 V.
[4] Information on the correlation between pulse frequency and maximum output current/output frequency is provided in the SINAMICS Low Voltage Configuration Manual.
[5] with integrated heat exchanger in aluminum or stainless steel design
[6] Sum of all motor cables and DC link. Longer cable lengths on request, depending on configuration. More information can be found in the SINAMICS Low Voltage Configuration Manual.
[7] The specified power loss represents the maximum value at 100% utilization. The value is lower under normal operating conditions.

Subject to change. Calculated values may differ from nameplate ratings. © Copyright Siemens