SIEMENS

Data sheet for Power Module

Article No. : 6SL3310-1TE33-1AA3



Figure similar

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

Item no. :
Consignment no. :
Project :

Rated data	
Line voltage	3 AC 342 ... 528 V
Type rating [1]	
For I_L (50 Hz 400 V)	160 kW
For I_H (50 Hz 400 V)	132 kW
For I_L (60 Hz 460 V)	250 hp
For I_H (60 Hz 460 V)	200 hp
Output current	
Rated current I_N	310 A
Base-load current I_L [2]	302 A
Base load current I_H [3]	277 A
Maximum current I_{max}	453 A
Input current	
Rated input current I_N	338 A
Maximum input current I_{max}	495 A
Current drawn	
24 V DC auxiliary power supply	0.9 A
Pulse frequency	
Rated frequency	2 kHz
Pulse frequency, max.	
Without current derating	8 kHz
Power loss, max. [4]	
at 50 Hz 400 V	4.00 kW
at 60 Hz 460 V	4.07 kW

General technical specifications	
Cooling air requirement	0.36 m^3/s
Sound pressure level L_{pA} (1 m) at 50/60 Hz	69 dB / 73 dB
Minimum short-circuit current [5]	4,400 A
Line length, max. [6]	
Shielded	300 m (984.25 ft)
Unshielded	450 m (1,476.38 ft)

Connections	
Line connection	
U1, V1, W1	M10 screw
Conductor cross-section, max. (IEC)	2 x 240 mm^2
Motor connection	
U2/T1, V2/T2, W2/T3	M10 screw
Conductor cross-section, max. (IEC)	2 x 240 mm^2
PE1/GND connection	
Design	M10 screw
Conductor cross-section, max. (IEC)	2 x 240 mm^2
PE2/GND connection	
Design	M10 screw
Conductor cross-section, max. (IEC)	2 x 240 mm^2

Mechanical data	
Degree of protection	IP20 / UL open type
Frame size	GX
Net weight	162 kg (357.15 lb)
Dimensions	
Width	326 mm (12.8 in)
Height	1,533 mm (60.35 in)
Depth	549 mm (21.61 in)

[1] Rated output of a typ. 6-pole standard induction motor based on IL or IH with 400 V 3 AC 50 Hz (kw) or 460 V 3 AC 60 Hz (hp).

[2] The base load current IL is based on a duty cycle of 110% for 60 s or 150% for 10 s with a duty cycle period of 300 s.

[3] 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.

[4] The specified power loss represents the maximum value at 100% utilization. The value is lower under normal operating conditions.

[5] Current required for reliably triggering protective devices.

[6] Longer cable lengths for specific configurations are available on request. For additional information, please refer to the SINAMICS Low Voltage Engineering Manual.

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