SIEMENS

Data sheet for Power Module

Article No. : 6SL3315-1TE33-1AA3



Figure similar

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

Item no. :
Consignment no. :
Project :

Rated data	
Line voltage	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	340 A
Maximum input current I_{max}	496 A
Current drawn	
24 V DC auxiliary power supply	1.5 A
Pulse frequency	
Rated frequency	2 kHz
Pulse frequency, max.	
Without current derating	2 kHz
Power loss (50 Hz 400 V) [4]	
Dissipated to coolant	3.28 kW
Dissipated to ambient air	0.12 kW
Total	3.40 kW

General technical specifications	
Sound pressure level L_{pA} (1 m) at 50/60 Hz	52 dB / 52 dB
Minimum short-circuit current [6]	4,400 A
Line length, max. [7]	
Shielded	300 m (984.25 ft)
Unshielded	450 m (1,476.38 ft)

Liquid cooling data	
Coolant volume [5]	12 l/min
Liquid volume of integrated heat exchanger	0.88 dm³
Pressure drop, typical for volume flow	70,000 Pa
Heat exchanger material	Stainless steel

Connections	
Line connection	
U1, V1, W1	hole for M12
Conductor cross-section, max. (IEC)	2 x 240 mm²
Motor connection	
U2/T1, V2/T2, W2/T3	1 x hole for M12
Conductor cross-section, max. (IEC)	2 x 240 mm²

Mechanical data	
Frame size	GL
Net weight	108 kg (238.10 lb)
Dimensions	
Width	265 mm (10.43 in)
Height	983 mm (38.70 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] The value applies to coolants comprising water and a mixture of water and anti-freeze agent.

[6] Current required for reliably triggering protective devices.

[7] Longer cable lengths for specific configurations are available on request.

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