



Figure similar

Data sheet for Power Module

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

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
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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 dm ³
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 mm ²
Motor connection	
U2/T1, V2/T2, W2/T3	1 x hole for M12
Conductor cross-section, max. (IEC)	2 x 240 mm ²

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.