



Figure similar

Data sheet for Power Module

Article No. : 6SL3315-1TE32-1AA3

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

Item no. :  
Consignment no. :  
Project :

Rated data

Line voltage	342 ... 528 V
Type rating <sup>1)</sup>	
For I <sub>L</sub> (50 Hz 400 V)	110 kW
For I <sub>H</sub> (50 Hz 400 V)	90 kW
For I <sub>L</sub> (60 Hz 460 V)	150 hp
For I <sub>H</sub> (60 Hz 460 V)	150 hp

Output current

Rated current I <sub>N</sub>	210 A
Base-load current I <sub>L</sub> <sup>2)</sup>	205 A
Base load current I <sub>H</sub> <sup>3)</sup>	178 A
Maximum current I <sub>max</sub>	307 A

Input current

Rated input current I <sub>N</sub>	230 A
Maximum input current I <sub>max</sub>	336 A

Current drawn

24 V DC auxiliary power supply	1.4 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) <sup>4)</sup>

Dissipated to coolant	2.34 kW
Dissipated to ambient air	0.08 kW
Total	2.42 kW

General technical specifications

Sound pressure level L <sub>pA</sub> (1 m) at 50/60 Hz	52 dB / 52 dB
Minimum short-circuit current <sup>6)</sup>	3,000 A
Line length, max. <sup>7)</sup>	
Shielded	300 m (984.25 ft)
Unshielded	450 m (1,476.38 ft)

Liquid cooling data

Coolant volume <sup>5)</sup>	9 l/min
Liquid volume of integrated heat exchanger	0.52 dm <sup>3</sup>
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 95 mm <sup>2</sup>
Motor connection	
U2/T1, V2/T2, W2/T3	1 x hole for M12
Conductor cross-section, max. (IEC)	2 x 95 mm <sup>2</sup>

Mechanical data

Frame size	FL
Net weight	77 kg (169.76 lb)
Dimensions	
Width	265 mm (10.43 in)
Height	836 mm (32.91 in)
Depth	549 mm (21.61 in)

<sup>1)</sup>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).  
<sup>2)</sup>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.  
<sup>3)</sup>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.  
<sup>4)</sup>The specified power loss represents the maximum value at 100% utilization. The value is lower under normal operating conditions.  
<sup>5)</sup>The value applies to coolants comprising water and a mixture of water and anti-freeze agent.  
<sup>6)</sup>Current required for reliably triggering protective devices.  
<sup>7)</sup>Longer cable lengths for specific configurations are available on request.