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No CAD-Data available for this configuration.

Data sheet for Active Line Modules - Chassis-2 format

Article No. : 6SL3331-7TE41-3AA0

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

Item no. :
Consignment no. :
Project :

Figure similar

Rated data	
Line voltage	3 AC 380 ... 480 V
Rated power	
for $I_{N\,DC}$ (50 Hz 400 V)	800 kW
for $I_{N\,DC}$ (60 Hz 460 V)	1,150 hp
for $I_{H\,DC}$ (60 Hz 460 V)	1,000 hp
DC-link current	
Rated current $I_{N\,DC}$	1,415 A
Base-load current $I_{L\,DC}$	1,287 A
Maximum current $I_{max\,DC}$	1,931 A
Infeed/regenerative feedback current	
Rated current $I_{N\,E}$	1,260 A
Maximum current $I_{max\,E}$	1,740 A
Current drawn	
24 V DC auxiliary power supply	1.3 A
400 V AC	1.8 A
DC link capacitance	
Active Line Module	40,800 µF
Drive line-up, max.	
for 400 V / 50 Hz [2)]	not permissible/250000/450000
for 480 V / 60 Hz [2)]	not permissible/250000/450000
Power loss, max. [3)]	
at 50 Hz 400 V	10.50 kW
at 60 Hz 460 V	11.40 kW

Connections	
Line connection U1, V1, W1	
Design	6 x M12
Conductor cross-section, max. (IEC)	6 x 240 mm²
DC link connection DCP, DCN	
Design	4 x M12
Conductor cross-section, max. (IEC)	Busbar 80 x 8
PE connection	
Design	6 x M12
Conductor cross-section, max. (IEC)	6 x 240 mm²

Mechanical data	
Degree of protection	IP00
Frame size	FS4+
Net weight	173 kg (381.47 lb)
Dimensions	
Width	280 mm (11.0 in)
Height	1,491 mm (58.70 in)
Depth	542 mm (21.34 in)

Other technical specifications	
Cooling air requirement	0.64 m³/s (22.59 ft³/s)
Sound pressure level L_{pA} (1 m) at 50/60 Hz	73 dB / 73 dB
Minimum short-circuit current [5)]	30,000 A
Line length, max. [6)]	
Shielded	3,900 m (12,799.00 ft)
Unshielded	5,850 m (19,193.80 ft)

[2)] The maximum DC link capacitances of the drive line-up are specified as a function of the number of precharging resistors (2.2 Ω) connected in parallel per phase: 1 precharging resistors/2 precharging resistors/3 precharging resistors.

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

[5)] Minimum current required for reliably triggering protective devices.

[6)] Total of all motor cables and DC link. Longer cable lengths for specific configurations are available on request. For additional information, please refer to the SINAMICS Low Voltage Engineering Manual. The cable lengths are valid for use in IT systems. When used in TN systems, the cable lengths are shortened to 30% of the specified value. When used in TN systems and during operation of the Active Line Module in Chassis-2 format or the connected Motor Modules with a higher pulse frequency, the permissible cable lengths are available on request.

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