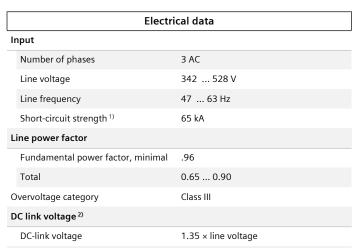
SIEMENS

Data sheet for Smart Line Modules Booksize

Article No.: 6SL3130-6TE21-6AA4

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





Electronics power supply with DC	24 V (-15 % / 20 %)	
Connections		
Line side		
Design	screw-type terminal (X1)	
Conductor cross-section	2.5 10 mm ² (AWG 14 AWG 8)	
PE conductor	M5 screw	
Shield connecting kit	Cable shield connection plate integrated into the connector	
Line length, max.		
Shielded	630 m (2,066.93 ft)	
Unshielded	850 m (2,788.71 ft)	
Mechanical data		
Degree of protection	IP20 / UL open type	
Type of construction	Booksize	
Net weight	7.0 kg (15.43 lb)	
Dimensions		
Width	100 mm (3.94 in)	
Height	380 mm (14.96 in)	

Compliance with standards	CE, cULus	
Standards		
Depth	270 mm (10.63 in)	
Height	380 mm (14.96 in)	

Rated data		
Infeed power		
Rated value	16.0 kW (18.0 hp)	
for S6 duty	21.0 kW	
Maximum	35.0 kW	
Regenerative feedback power		
Rated value	16.0 kW (18.0 hp)	
for S6 duty	21.0 kW	
Maximum	35.0 kW	
DC-link current		
at 540 V DC	30.0 A	
at 600 V DC	27.0 A	
for S6 duty	35.0 A	
Maximum	59.0 A	
Input current		
at 380 V AC 3-phase	29.0 A	
at 400 V AC 3-phase	27.5 A	
at 480 V AC 3-phase	24.5 A	
at 400 V S6 duty	35.0 A	
at 400 V, maximum	57.5 A	
Current requirement at 24 V DC, maximum	0.95 A	
Ampacity of the busbars		
for electronics power supply at 24 V DC	20 A	
for DC-link connection	100 A	
DC link capacitance		
of the Smart Line Module	710 μF	
of the drive system, maximum	20,000 μF	
General technical specifications		
Sound pressure level	60 dB	
Losses 4)	0.190 kW	
Ambient conditions		
Ambient temperature in operation	0 40 °C (32 104 °F)	
Cooling air throughput	0.016 m³/s (0.565 ft³/s)	
Installation altitude	1,000 m (3,280.84 ft)	

Type of cooling

RI suppression

Standard: No radio interference suppression; With line filter: Category C2 to EN 61800-3 Total cable length up to 350 m (1148 ft) (shielded)

Internal air cooling

 $^{^{1)}}$ in conjunction with the recommended Class J fuse, or circuit breaker according to UL489 / CSA 22.2 No. 5-02

²⁾The DC link voltage is maintained at the mean value of the rectified line voltage.

⁴⁾ Power loss of the Smart Line Module with rated power including losses of the 24 V DC electronics power supply