

Data sheet for Basic Line Modules

Article No. : 6SL3330-1TG41-4AA3

Figure similar

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

Item no. :
Consignment no. :
Project :

Rated data	
Line voltage	3 AC 500 ... 690 V
Rated power	
for I _{N DC} (50 Hz 690 V)	1,100 kW
for I _{H DC} (50 Hz 690 V)	910 kW
for I _{N DC} (50 Hz 500 V)	810 kW
for I _{H DC} (50 Hz 500 V)	755 kW
for I _{N DC} (60 Hz 575 V)	1,250 hp
for I _{H DC} (60 Hz 575 V)	1,000 hp
DC-link current	
Rated current I _{N DC}	1,400 A
Base-load current I _{H DC} ¹⁾	1,092 A
Maximum current I _{max DC}	2,100 A
Input current	
Rated current I _{N E}	1,177 A
Maximum current I _{max E}	1,770 A
Maximum precharging current (max. 3 s)	internal
Current drawn	
24 V DC auxiliary power supply	1.1 A
DC link capacitance	
Basic Line Module	15,470 µF
Drive line-up, max.	123,760 µF
Power loss, max. ³⁾	
At 50 Hz 690 V	5.8 kW
At 60 Hz 575 V	5.8 kW

Connections	
Line connection U1, V1, W1	
Design	6 x Flat connector for M12 screw
Conductor cross-section, max. (IEC)	6 x 185 mm ²
DC link connection DCP, DCN	
Design	6 x 3 x hole for M12
Conductor cross-section, max. (IEC)	6 x 185 mm ²
PE/GND connection	
Design	4 x 2 x hole for M12
Conductor cross-section, max. (IEC)	4 x 240 mm ²
Mechanical data	
Degree of protection	IP00
Frame size	GB
Net weight	214 kg (471.78 lb)
Dimensions	
Width	310 mm (12.2 in)
Height	1,653 mm (65.08 in)
Depth	550 mm (21.66 in)
Other technical specifications	
Cooling air requirement	0.36 m ³ /s (12.713 ft ³ /s)
Sound pressure level LpA (1 m) at 50/60 Hz	71 dB / 73 dB
Minimum short-circuit current ⁴⁾	16,000 A
Line length, max. ⁵⁾	
Shielded	2,250 m (7,381.89 ft)
Unshielded	3,375 m (11,072.84 ft)

¹⁾The base-load current DC IH is the basis for a duty cycle of 150% for 60 s or I max DC for 5 s with a duty cycle duration of 300 s.
³⁾The specified power loss represents the maximum value at 100% utilization. The value is lower under normal operating conditions.
⁴⁾Current required for reliably triggering protective devices.
⁵⁾Total of all motor cables and DC link. Longer cable lengths for specific configurations are available on request.