

MLFB-Ordering data

6SL3120-2TE21-8AC0



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

Remarks :

Item no. :

 ${\it Consignment no.:}$

Project :

Rated data		Ambient conditions	
OC link voltage	DC 510 720 V		
-	DC 24 V 45 % / . 20 %	Installation altitude (without derating)	
Electronics power supply	DC 24 V -15 % / +20 %	Cooling ⁸⁾	
Current demand, max.	1.10 A	Cooling	
OC-link current I _d 1)	43.0 A	Cooling air requirement	
Output current		Ambient temperature	
Rated value I _N	2 x 18.0 A	During operation	
Base load current I _H	2 x 15.3 A	Connections	
For S6 duty (40%) I _{S6}	2 x 24.0 A	Motor end	
I _{max}	2 x 36.0 A	Version	
Type rating ²⁾		Conductor cross-section	
Based on _{IN}	2 x 9.7 kW	PE connection	
Based on _{IH}	2 x 8.2 kW	i E connection	
Rated pulse frequency	4.00 kHz	Max. motor cable length	
Current carrying capacity		Shielded	
DC link busbars	200 A	Unshielded	
24 V busbars ⁴⁾	20 A		
DC link capacitance	705 μF		
Output frequency for servo control 5)	650 Hz	Compliance with standards	
Output frequency for V/f control ⁶⁾	600 Hz	Safety Integrated	

Output frequency for vector control 7)

300 Hz



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Mechanical data		General tech. specifications	
Line side		Sound pressure level (1m)	60.0 dB
Width	100.00 mm (3.94 in)	Power loss, typ./max. 9)	0.28 kW / 0.35 kW
Height	380.00 mm (14.96 in)		
Depth	270.00 mm (10.63 in)		
Degree of protection	IP20 / UL open type		
Type of construction	Booksize		
Net weight	7.7 kg (16.98 lb)		

- 1) Rated dc link current for dimensioning an external DC connection
- 2) Rated output of a typical standard asynchronous motor at 400 V 3 AC
- 4) If, when connecting several Line Modules and Motor Modules in series, the current carrying capacity exceeds 20 A, another 24 V DC connection is required using a 24 V terminal adapter (max. connectable cross-section 6 mm2, max. protection 20 A).
- 5) With rated output current (max. output frequency 1300 Hz at a current controller cycle of 62.5 µs, pulse frequency 8 kHz, 60 % permissible output current). Observe the dependency between max. output frequency and current derating. At present, the output frequency is limited to 550 Hz, the values stated apply with the high output frequency license.
- 6) Observe the dependency between max. output frequency and current derating. At present, the output frequency is limited to 550 Hz, the values stated apply with the high output frequency license.
- 7) Observe the dependency between max. output frequency and current derating.
- 8) Power units with intensified air cooling thanks to integrated fan
- 9) Power loss of the Motor Module with rated power including losses of the 24 V DC electronics power supply

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