

MLFB-Ordering data

6SL3120-1TE23-0AC0

No image available for this configuration.

Figure similar

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

Remarks :

Item no. : Consignment no. :

Project :

Rated data		Ambier	Ambient conditions	
OC link voltage	DC 510 720 V	Installation altitude (without derating)	1000 m (3281 ft)	
Electronics power supply	DC 24 V -15 % / +20 %	Cooling ⁸⁾	Internal air cooling	
Current demand, max. OC-link current I _d 1)	0.80 A 36.0 A	Cooling air requirement	0.015 m³/s	
Output current	30.0 A		0.013 11175	
Rated value I _N	30.0 A	Ambient temperature During operation	0 40 °C (32 104 °F)	
Base load current I _H	25.5 A		nections	
For S6 duty (40%) I _{S6}	40.0 A	Motor end	mections	
I _{max}	56.0 A	Version	connector (X1)	
ype rating ²⁾		Conductor cross-section	2 6 mm² (16 10 AWG)	
Based on _{IN}	16.0 kW	PE connection	M5 screw	
Based on _{IH}	13.7 kW			
ated pulse frequency	4.00 kHz	Max. motor cable length		
Current carrying capacity		Shielded	100 m (328 ft)	
DC link busbars	200 A	Unshielded	150 m (492 ft)	
24 V busbars ⁴⁾	20 A	St	andards	
OC link capacitance	705 μF			
Output frequency for servo control 5)	650 Hz	Compliance with standards	CE, cULus	
Output frequency for V/f control 6)	600 Hz	Safety Integrated	SIL 2 acc. to IEC 61508, PL d acc. EN ISO 13849-1, Category 3 acc. EN ISO 13849-1	
Output frequency for vector control 7)	300 Hz			



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Mechanical data		General te	General tech. specifications	
		Sound pressure level (1m)	60.0 dB	
	100.00 mm (3.94 in)	Power loss, typ./max. 9)	0.26 kW / 0.31 kW	
	380.00 mm (14.96 in)			
	270.00 mm (10.63 in)			
1	IP20 / UL open type			
ı	Booksize			
	7.9 kg (17.42 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 f requency 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