



Figure similar

MLFB-Ordering data

6SL3120-2TE13-0AA4

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Rated data		Ambient conditions	
DC 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.	1.15 A	Cooling air requirement	0.008 m ³ /s
DC-link current I _d	7.2 A	Ambient temperature	
Output current		During operation	
Rated value I _N	2 x 3.0 A	0 ... 40 °C (32 ... 104 °F)	
Base load current I _H	2 x 2.6 A	Connections	
For S6 duty (40%) I _{S6}	2 x 3.5 A	Motor end	
I _{max}	2 x 9.0 A	Version	
Type rating ²⁾		connector (X1, X2)	
Based on I _N	2 x 1.6 kW	PE connection	
Based on I _H	2 x 1.4 kW	M5 screw	
Current carrying capacity		Shield connecting kit	
DC link busbars	100 A	Integrated connection plug (X1, X2)	
24 V busbars ⁴⁾	20 A	Max. motor cable length	
DC link capacitance	220 μF	Shielded	
		50 m (164 ft)	
		Unshielded	
		75 m (246 ft)	
		Standards	
		Compliance with standards	
		CE, cULus	
		Safety Integrated	
		SIL 2 acc. to IEC 61508, PL d acc. to EN ISO 13849-1, Category 3 acc. to EN ISO 13849-1	

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Mechanical data

Line side

Width	50.00 mm (1.97 in)
Height	380.00 mm (14.96 in)
Depth	270.00 mm (10.63 in)
Degree of protection	IP20
Type of construction	Booksize
Net weight	5.3 kg (11.68 lb)

General tech. specifications

Sound pressure level (1m)	60.0 dB
Power loss, typ./max. ⁹⁾	0.05 kW / 0.10 kW

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).

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