

### MLFB-Ordering data

6SL3120-1TE21-8AA4



Figure similar

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 <sup>8)</sup>	Internal air cooling
Current demand, max.	0.85 A	Cooling air requirement	0.008 m³/s
DC-link current I <sub>d</sub>	22.0 A	Ambient temperature	
Output current		During operation	0 ... 40 °C (32 ... 104 °F)
Rated value I <sub>N</sub>	18.0 A	Connections	
Base load current I <sub>H</sub>	15.3 A	Motor end	
For S6 duty (40%) I <sub>S6</sub>	24.0 A	Version	connector (X1)
I <sub>max</sub>	54.0 A	PE connection	M5 screw
Type rating <sup>2)</sup>		Shield connecting kit	Integrated connection plug (X1)
Based on I <sub>N</sub>	9.7 kW	Max. motor cable length	
Based on I <sub>H</sub>	8.2 kW	Shielded	70 m (230 ft)
Rated pulse frequency	4.00 kHz	Unshielded	100 m (328 ft)
Current carrying capacity		Standards	
DC link busbars <sup>3)</sup>	100 A	Compliance with standards	CE, cULus
24 V busbars <sup>4)</sup>	20 A	Safety Integrated	SIL 2 acc. to IEC 61508, PL d acc. to EN ISO 13849-1, Category 3 acc. to EN ISO 13849-1
DC link capacitance	220 µF		



Figure similar

Mechanical data		General tech. specifications	
<b>Line side</b>		<b>Sound pressure level (1m)</b>	60.0 dB
<b>Width</b>	50.00 mm (1.97 in)	<b>Power loss, typ./max. <sup>9)</sup></b>	0.14 kW / 0.19 kW
<b>Height</b>	380.00 mm (14.96 in)		
<b>Depth</b>	270.00 mm (10.63 in)		
<b>Degree of protection</b>	IP20		
<b>Type of construction</b>	Booksize		
<b>Net weight</b>	5.0 kg (11.02 lb)		

2) Rated output of a typical standard asynchronous motor at 400 V 3 AC

3) Possible with reinforced dc link busbar set 140 A (accessories).

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 mm<sup>2</sup>, 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