



Figure similar

### MLFB-Ordering data

6SL3120-1TE21-8AA4

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 m <sup>3</sup> /s
DC-link current I <sub>d</sub>	22.0 A	<b>Ambient temperature</b>	
<b>Output current</b>		During operation	0 ... 40 °C (32 ... 104 °F)
Rated value I <sub>N</sub>	18.0 A	<b>Connections</b>	
Base load current I <sub>H</sub>	15.3 A	<b>Motor end</b>	
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
<b>Type rating <sup>2)</sup></b>		Shield connecting kit	Integrated connection plug (X1)
Based on I <sub>N</sub>	9.7 kW	<b>Max. motor cable length</b>	
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)
<b>Current carrying capacity</b>		<b>Standards</b>	
DC link busbars <sup>3)</sup>	100 A	Compliance with standards	
24 V busbars <sup>4)</sup>	20 A	CE, cULus	
DC link capacitance	220 μF	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	5.0 kg (11.02 lb)

### General tech. specifications

Sound pressure level (1m)	60.0 dB
Power loss, typ./max. <sup>9)</sup>	0.14 kW / 0.19 kW

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