



Figure similar

### MLFB-Ordering data

6SL3121-1TE31-3AA3

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>	External air cooling
Current demand, max.	1.50 A	Cooling air requirement	0.144 m <sup>3</sup> /s
DC-link current I <sub>d</sub>	158.0 A	<b>Ambient temperature</b>	
<b>Output current</b>		During operation	0 ... 40 °C (32 ... 104 °F)
Rated value I <sub>N</sub>	132.0 A	<b>Connections</b>	
Base load current I <sub>H</sub>	105.0 A	<b>Motor end</b>	
For S6 duty (40%) I <sub>S6</sub>	150.0 A	Version	M8 bolt (X1)
I <sub>max</sub>	210.0 A	Conductor cross-section	3 ... 120 mm <sup>2</sup> (14 ... -3 AWG)
<b>Type rating <sup>2)</sup></b>		PE connection	M8 Screw
Based on I <sub>N</sub>	71.0 kW	<b>Max. motor cable length</b>	
Based on I <sub>H</sub>	57.0 kW	Shielded	100 m (328 ft)
Rated pulse frequency	4.00 kHz	Unshielded	150 m (492 ft)
<b>Current carrying capacity</b>		<b>Standards</b>	
DC link busbars	200 A	Compliance with standards	CE, cULus
24 V busbars	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	2820 μF		

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### Mechanical data

#### Line side

**Width** 300.00 mm (11.81 in)

**Height** 629.00 mm (24.76 in)

**Depth** 226.00 mm (8.90 in)

**Degree of protection** IP20 / UL open type

**Type of construction** Booksize

**Net weight** 27.2 kg (59.97 lb)

### General tech. specifications

**Sound pressure level (1m)** 73.0 dB

**Power loss, max. <sup>9)</sup>** 1.00 kW

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

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