

MLFB-Ordering data

6SL3120-1TE13-0AA4



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 ⁸⁾	Internal air cooling
Current demand, max.	0.85 A	Cooling air requirement	0.008 m³/s
DC-link current I _d	3.6 A	Ambient temperature	
Output current		During operation	0 ... 40 °C (32 ... 104 °F)
Rated value I _N	3.0 A	Connections	
Base load current I _H	2.6 A	Motor end	
For S6 duty (40%) I _{S6}	3.5 A	Version	connector (X1)
I _{max}	9.0 A	PE connection	M5 screw
Type rating ²⁾		Shield connecting kit	Integrated connection plug (X1)
Based on I _N	1.6 kW	Max. motor cable length	
Based on I _H	1.4 kW	Shielded	50 m (164 ft)
Rated pulse frequency	4.00 kHz	Unshielded	75 m (246 ft)
Current carrying capacity		Standards	
DC link busbars ³⁾	100 A	Compliance with standards	CE, cULus
24 V busbars ⁴⁾	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	110 µF		



Figure similar

Mechanical data		General tech. specifications	
Line side		Sound pressure level (1m)	60.0 dB
Width	50.00 mm (1.97 in)	Power loss, typ./max. ⁹⁾	0.03 kW / 0.05 kW
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)		

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 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