

MLFB-Ordering data

6SL3121-1TE24-5AA3



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⁾	External air cooling
Current demand, max.	1.20 A	Cooling air requirement	0.031 m³/s
DC-link current I _d	54.0 A	Ambient temperature	
Output current		During operation	0 ... 40 °C (32 ... 104 °F)
Rated value I _N	45.0 A	Connections	
Base load current I _H	38.0 A	Motor end	
For S6 duty (40%) I _{S6}	60.0 A	Version	M6 bolt (X1)
I _{max}	85.0 A	Conductor cross-section	3 ... 50 mm² (14 ... 1 AWG)
Type rating ²⁾		PE connection	M6 screw
Based on I _N	24.0 kW	Max. motor cable length	
Based on I _H	21.0 kW	Shielded	100 m (328 ft)
Rated pulse frequency	4.00 kHz	Unshielded	150 m (492 ft)
Current carrying capacity		Standards	
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	1175 µF		

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Mechanical data		General tech. specifications	
Line side		Sound pressure level (1m)	65.0 dB
Width	150.00 mm (5.91 in)	Power loss, max. ⁹⁾	0.32 kW
Height	380.00 mm (14.96 in)		
Depth	226.00 mm (8.90 in)		
Degree of protection	IP20 / UL open type		
Type of construction	Booksize		
Net weight	13.2 kg (29.10 lb)		

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