SIEMENS

Data sheet for Motor Module



Figure similar

Article No. : **6SL3121-1TE24-5AA3**

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Rated data	
DC link voltage	DC 510 ... 720 V
Electronics power supply	DC 24 V -15 % / +20 %
Current demand, max.	1.20 A
DC-link current I_d	54.0 A
Output current	
Rated value I_N	45.0 A
Base load current I_H	38.0 A
For S6 duty (40%) I_{S6}	60.0 A
I_{max}	85.0 A
Type rating [2]	
Based on $_{IN}$	24.0 kW
Based on $_{IH}$	21.0 kW
Rated pulse frequency	4.00 kHz
Current carrying capacity	
DC link busbars	200 A
24 V busbars	20 A
DC link capacitance	1,175 µF

Ambient conditions	
Installation altitude (without derating)	1,000 m (3,281 ft)
Cooling [8]	External air cooling
Cooling air requirement	0.031 m³/s
Ambient temperature	
During operation	0 ... 40 °C (32 ... 104 °F)

Connections	
Motor end	
Version	M6 bolt (X1)
Conductor cross-section	2.5 ... 50 mm² (14 ... 1 AWG)
PE connection	M6 screw
Max. motor cable length	
Shielded	100 m (328 ft)
Unshielded	150 m (492 ft)

Standards	
Compliance with standards	CE, cULus
Safety Integrated	SIL 2 acc. to IEC 61508, PL d acc. to EN ISO 13849-1, Category 3 acc. to EN ISO 13849-1

Mechanical data	
Line side	
Width	150.00 mm (5.91 in)
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)

General tech. specifications	
Sound pressure level (1m)	65.0 dB
Power loss, max. [9]	0.32 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