SIEMENS

Data sheet for Motor Module



Figure similar

Article No. : **6SL3420-1TE21-0AA1**

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.	0.85 A
DC-link current I_d	11.0 A
Output current	
Rated value I_N	9.0 A
Base load current I_H	7.7 A
For S6 duty (40%) I_{S6}	10.0 A
I_{max}	27.0 A
Type rating	
Based on $_{IN}$	4.8 kW
Based on $_{IH}$	4.1 kW
Current carrying capacity	
DC link busbars	100 A
24 V busbars	20 A
DC link capacitance	110 µF

Ambient conditions

Installation altitude (without derating)	1,000 m (3,281 ft)
Cooling [8)]	Internal air cooling
Cooling air requirement	0.008 m³/s
Ambient temperature	
During operation	0 ... 40 °C (32 ... 104 °F)

Connections

Motor end	
Version	connector (X1) with Screw-type terminals
PE connection	M5 screw
Max. motor cable length	
Shielded	50 m (164 ft)
Unshielded	75 m (246 ft)

Standards

Compliance with standards	CE / UL
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	50.00 mm (1.97 in)
Height	270.00 mm (10.63 in)
Depth	226.00 mm (8.90 in)
Degree of protection	IP20 / UL open type
Type of construction	Booksize Compact
Net weight	2.7 kg (5.95 lb)

General tech. specifications

Sound pressure level (1m)	60.0 dB

Subject to change. Calculated values may differ from nameplate ratings. © Copyright Siemens