SIEMENS

Data sheet for Motor Module

MLFB-Ordering data

6SL3121-1TE23-0AA3

Figure similar

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.	0.90 A
DC-link current I_d	36.0 A

Output current

Rated value I_N	30.0 A
Base load current I_H	25.5 A
For S6 duty (40%) I_{S6}	40.0 A
I_{max}	56.0 A

Type rating [2)]

Based on $_{IN}$	16.0 kW
Based on $_{IH}$	13.7 kW
Rated pulse frequency	4.00 kHz

Current carrying capacity

DC link busbars [3)]	100 A
24 V busbars [4)]	20 A
DC link capacitance	710 µF

Ambient conditions

Installation altitude (without derating)	1000 m (3281 ft)
Cooling [8)]	External air cooling
Cooling air requirement	0.016 m³/s

Ambient temperature

During operation	0 ... 40 °C (32 ... 104 °F)

Connections

Motor end

Version	connector (X1)
PE connection	M5 screw
Shield connecting kit	Integrated connection plug (X1)

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

SIEMENS

Data sheet for Motor Module

MLFB-Ordering data **6SL3121-1TE23-0AA3**

Figure similar

Mechanical data

Line side

Width	100.00 mm (3.94 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	8.5 kg (18.74 lb)

General tech. specifications

Sound pressure level (1m)	60.0 dB
Power loss, max. [9)]	0.21 kW

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