SIEMENS

Data sheet for Motor Module

MLFB-Ordering data **6SL3120-1TE23-0AA4**



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)]	Internal 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 **6SL3120-1TE23-0AA4**



Figure similar

Mechanical data

Line side

Width	100.00 mm (3.94 in)
Height	380.00 mm (14.96 in)
Depth	270.00 mm (10.63 in)
Degree of protection	IP20
Type of construction	Booksize
Net weight	6.9 kg (15.21 lb)

General tech. specifications

Sound pressure level (1m)	60.0 dB
Power loss, typ./max. 9)	0.26 kW / 0.31 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