SIEMENS

Data sheet for Motor Module



Figure similar

MLFB-Ordering data 6SL3320-1TE32-1AA3

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.	0.80 A
Current consumption 400V AC	0.6 A

DC-link current

Rated current I_N DC	
- Basic/Smart Line Module	252.0 A
- Active Line Module	227.0 A
Base-load current I_L DC	
- Basic/Smart Line Module	245.0 A
- Active Line Module	221.0 A
Base-load current I_H DC	
- Basic/Smart Line Module	224.0 A
- Active Line Module	202.0 A

Output current

Rated value I_N	210.0 A
Base load current I_H	178.0 A
For S6 duty (40%) I_{S6}	230.0 A
I_{max}	307.0 A

Type rating [1)]

Based on $_{IN}$	110.0 kW
Based on $_{IH}$	90.0 kW
Rated pulse frequency	2.00 kHz
DC link capacitance	4200 µF
Output frequency for servo control	0 ... 550 Hz
Output frequency for V/f control	0 ... 550 Hz
Output frequency for vector control	0 ... 550 Hz

Ambient conditions

Installation altitude (without derating)	2000 m (6562 ft)
Cooling [2)]	External air cooling
Cooling air requirement	0.170 m³/s

Ambient temperature

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

Connections

Motor end

Version	M10 screw
Conductor cross-section	185 mm² (-5 AWG)

DC link (for braking resistor)

Version	M10 screw
Conductor cross-section	2 x 185 mm² (2 x -5 AWG)
PE1 connection	M10 screw
Conductor cross-section	2 x 185 mm² (2 x -5 AWG)
PE2 connection	M10 screw
Conductor cross-section	2 x 185 mm² (2 x -5 AWG)

Max. motor cable length

Shielded	300 m (984 ft)
Unshielded	450 m (1476 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

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Mechanical data

Line side

Width	326.00 mm (12.83 in)
Height	1400.00 mm (55.12 in)
Depth	356.00 mm (14.02 in)
Degree of protection	IP20 / UL open type
Type of construction	Chassis
Net weight	95.0 kg (209.44 lb)

General tech. specifications

Sound pressure level (1m) 50Hz/60Hz	64 dB / 67 dB

Power loss, max.

At 50 Hz 400 V	1.9 kW
At 60 Hz 460 V	1.9 kW

1) Rated output of a typical standard asynchronous motor at 400 V 3 AC

2) Power units with intensified air cooling thanks to integrated fan