

MLFB-Ordering data

6SL3525-0PE23-0AA1



Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Rated data	General tech. specifications
Input	Power factor λ 0.95
Number of phases 3 AC	Efficiency η 0.97
Line voltage 380 ... 500 V ± 10 %	Power loss 0.10 kW
Line frequency 47 ... 63 Hz	Ambient conditions
Rated current 7.20 A	Cooling Convection
Output	Cooling air requirement 0.009 m ³ /s
Number of phases 3 AC	Installation altitude 1000 m
Rated voltage 400 V	Ambient temperature
Rated power 3.00 kW	Operation -10 ... 55 °C (14 ... 131 °F)
Rated current (IN) 7.70 A	Transport -40 ... 70 °C (-40 ... 158 °F)
Max. output current 15.40 A	Storage -40 ... 70 °C (-40 ... 158 °F)
Pulse frequency 4 kHz	Relative humidity
Output frequency for vector control 0 ... 200 Hz	Max. operation 95 % at 40°C (104°F); RH, condensation not permitted
Output frequency for V/f control 0 ... 650 Hz	
In firmware V4.7 and higher, due to legal requirements, the maximum output frequency is restricted to 550 Hz.	

Overload capability

High Overload (HO)

Average max. rated output current during a cycle time of 300 s; 1.5 × rated output current (i.e. 150% overload) for 60 s with a cycle time of 300 s; 2 × rated output current (i.e. 200 % overload) for 3 s with a cycle time of 300 s

SIEMENS

Data sheet for SINAMICS G120D

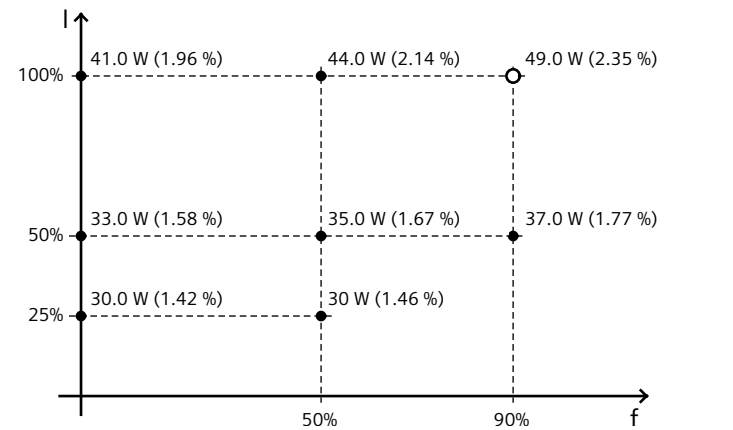
MLFB-Ordering data 6SL3525-0PE23-0AA1



Figure similar

Mechanical data		Connections	
Degree of protection	IP65 / UL type 3	Line side	
Size	FSB	Version	HAN Q4/2 (connector)
Net weight	8.00 kg	Conductor cross-section	2.50 ... 6.00 mm²
Width	445.0 mm	Motor end	
Height	210.0 mm	Version	HAN Q8 (socket)
Depth	180.0 mm	Conductor cross-section	2.50 ... 4.00 mm²
Converter losses to EN 50598-2*		PE connection	On housing with M5 screw
		Conductor cross-section	10.00 ... 16.00 mm²

Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	-65.03 %



The percentage values show the losses in relation to the rated apparent power of the converter.

The diagram shows the losses for the points (as per standard EN 50598) of the relative torque generating current (I) over the relative motor stator frequency(f). The values are valid for the basic version of the converter without options/components.

*converted values

Connections	
Line side	
Version	HAN Q4/2 (connector)
Conductor cross-section	2.50 ... 6.00 mm²
Motor end	
Version	HAN Q8 (socket)
Conductor cross-section	2.50 ... 4.00 mm²
PE connection	On housing with M5 screw
Conductor cross-section	10.00 ... 16.00 mm²
Max. motor cable length	
Shielded	15 m
Unshielded	30 m
Standards	
Compliance with standards	UL 508C (UL list number E121068), CE, RCM
CE marking	Low-voltage directive 2006/95/EC