



Figure similar

MLFB-Ordering data 6SL3511-1PE21-5AM0

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Rated data		General tech. specifications	
Input		Power factor λ	0.70 ... 0.85
Number of phases	3 AC	Efficiency η	0.95
Line voltage	380 ... 500 V \pm 10 %	Ambient conditions	
Line frequency	47 ... 63 Hz	Cooling	Convection
Rated current	3.80 A	Installation altitude	1000 m
Output		Ambient temperature	
Number of phases	3 AC	Operation	-10 ... 40 °C (14 ... 104 °F)
Rated voltage	500 V	Transport	-40 ... 70 °C (-40 ... 158 °F)
Rated power	1.50 kW	Storage	-40 ... 70 °C (-40 ... 158 °F)
Rated current (IN)	4.30 A	Relative humidity	
Max. output current	8.60 A	Max. operation	95 % at 40 °C (104 °F); RH, condensation not permitted
Pulse frequency	4.000		
Output frequency for V/f control	0 ... 650 Hz		
Due to legal restrictions a limitation to 550 Hz is under preparation			

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

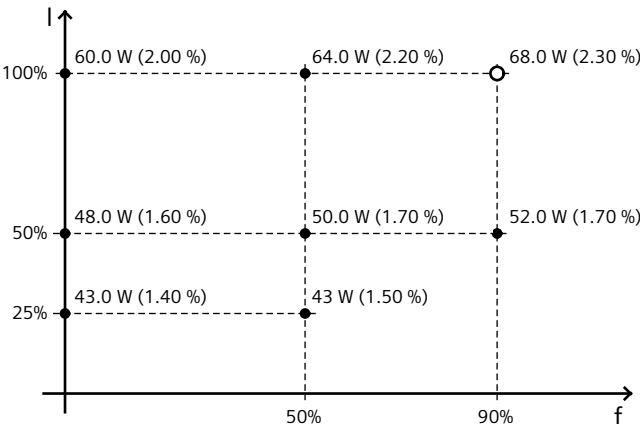
MLFB-Ordering data

6SL3511-1PE21-5AM0



Figure similar

Mechanical data		Connections	
Degree of protection	IP65 / UL type 3	Line side	
Frame size	FSA	Version	HAN Q4/2 (connector)
Net weight	7.00 kg	Conductor cross-section	1.50 ... 6.00 mm²
Width	445.0 mm	Motor end	
Height	210.0 mm	Version	HAN Q8 (socket)
Depth	145.0 mm	Conductor cross-section	1.00 ... 4.00 mm²
Inputs / outputs		Max. motor cable length	
Standard digital inputs		Shielded	15 m
Number	4	Unshielded	30 m
Analog / digital inputs		Communication	
Number	1	Communication	AS-Interface
PTC/ KTY interface		Closed-loop control techniques	
1 input, connectable sensors: PTC, KTY or Thermo-Click, connection via Power Modules		V/f linear / square-law / parameterizable	Yes
		V/f with flux current control (FCC)	Yes
Converter losses to IEC61800-9-2*		Standards	
Efficiency class	IE2	Compliance with standards	
Comparison with the reference converter (90% / 100%)	31.70 %	UL 508C (UL list number E121068), CE, RCM	



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 IEC61800-9-2) 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.

*calculated values