

MLFB-Ordering data 6SL3511-1PE25-5AM0



Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Rated data		General tech. specifications	
Input		Power factor λ	0.70 ... 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	demand-driven air cooling via integrated fan
Rated current	12.20 A		
Output		Installation altitude	1000 m
Number of phases	3 AC	Ambient temperature	
Rated voltage	500 V	Operation	-10 ... 40 °C (14 ... 104 °F)
Rated power	5.50 kW	Transport	-40 ... 70 °C (-40 ... 158 °F)
Rated current (IN)	13.20 A	Storage	-40 ... 70 °C (-40 ... 158 °F)
Max. output current	26.40 A	Relative humidity	
Pulse frequency	4.000	Max. operation	95 % at 40°C (104°F); RH, condensation not permitted
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)

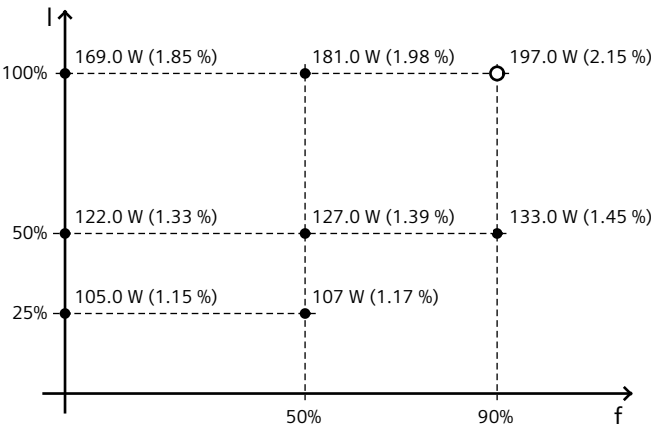
Average max. rated output current during a cycle time of 300 s; 1.5 × rated output current (i.e. 150% overload) for 60 s with a cycle time of 300 s; 2 × rated output current (i.e. 200 % overload) for 3 s with a cycle time of 300 s

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Mechanical data		Connections	
Degree of protection	IP65 / UL type 3	Line side	
Size	FSC	Version	HAN Q4/2 (connector)
Net weight	9.70 kg	Conductor cross-section	4.00 ... 6.00 mm²
Width	445.0 mm	Motor end	
Height	210.0 mm	Version	HAN Q8 (socket)
Depth	240.0 mm	Conductor cross-section	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
Converter losses to EN 50598-2*		V/f with flux current control (FCC)	Yes
Efficiency class	IE2	Standards	
Comparison with the reference converter (90% / 100%)	-64.23 %	Compliance with standards	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 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

CE marking Low-voltage directive 2006/95/EC