



Figure similar

MLFB-Ordering data 6SL3511-0PE25-5AM0

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	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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Figure similar

Mechanical data	Connections
Degree of protection	Line side
Frame size	Version
Net weight	Conductor cross-section
Width	Motor end
Height	Version
Depth	Conductor cross-section
	Max. motor cable length

Inputs / outputs

Standard digital inputs

Number	4
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Analog / digital inputs

Number	1
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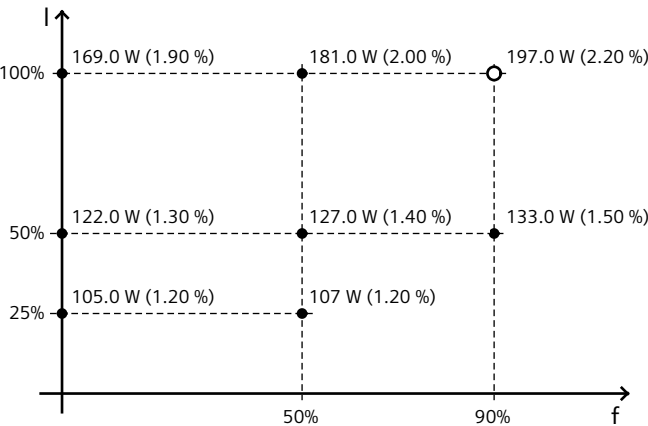
PTC/ KTY interface

1 input, connectable sensors: PTC, KTY or Thermo-Click, connection via Power Modules

Converter losses to IEC61800-9-2*

Efficiency class	IE2
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Comparison with the reference converter (90% / 100%) 36.80 %



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

Connections
Line side
Version
Conductor cross-section
Motor end
Version
Conductor cross-section
Max. motor cable length

Shielded	15 m
Unshielded	30 m

Communication

Communication	AS-Interface
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Closed-loop control techniques

V/f linear / square-law / parameterizable	Yes
V/f with flux current control (FCC)	Yes

Standards

Compliance with standards	UL 508C (UL list number E121068), CE, RCM
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CE marking	Low-voltage directive 2006/95/EC
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