



Figure similar

### MLFB-Ordering data

6SL3511-1PE24-0AM0

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

Item no. :  
Consignment no. :  
Project :

Rated data		General tech. specifications	
<b>Input</b>		<b>Power factor <math>\lambda</math></b>	0.70 ... 0.85
Number of phases	3 AC	<b>Efficiency <math>\eta</math></b>	0.95
Line voltage	380 ... 500 V $\pm 10\%$	<b>Ambient conditions</b>	
Line frequency	47 ... 63 Hz	<b>Cooling</b>	demand-driven air cooling via integrated fan
Rated current	9.10 A	<b>Installation altitude</b>	1000 m
<b>Output</b>		<b>Ambient temperature</b>	
Number of phases	3 AC	<b>Operation</b>	-10 ... 40 °C (14 ... 104 °F)
Rated voltage	500 V	<b>Transport</b>	-40 ... 70 °C (-40 ... 158 °F)
Rated power	4.00 kW	<b>Storage</b>	-40 ... 70 °C (-40 ... 158 °F)
Rated current (IN)	10.20 A	<b>Relative humidity</b>	
Max. output current	20.40 A	<b>Max. operation</b>	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

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### Mechanical data

Degree of protection	IP65 / UL type 3
Size	FSB
Net weight	7.70 kg
Width	445.0 mm
Height	210.0 mm
Depth	165.0 mm

### Inputs / outputs

#### Standard digital inputs

Number	4
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#### Analog / digital inputs

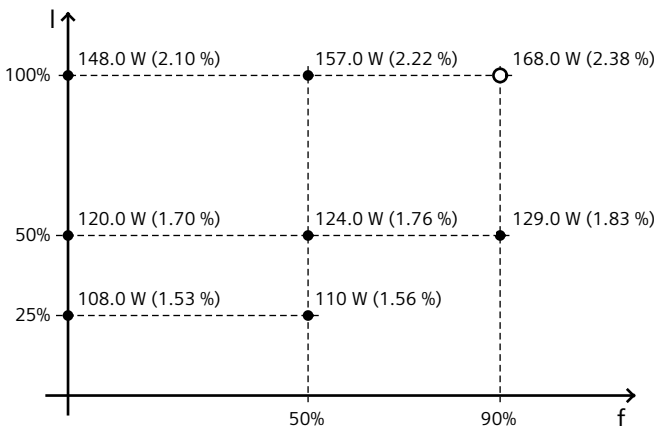
Number	1
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#### PTC/ KTY interface

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

### Converter losses to EN 50598-2\*

Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	-62.75 %



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)
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Conductor cross-section	2.50 ... 6.00 mm <sup>2</sup>
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#### Motor end

Version	HAN Q8 (socket)
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Conductor cross-section	2.50 ... 4.00 mm <sup>2</sup>
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#### Max. motor cable length

Shielded	15 m
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Unshielded	30 m
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### Communication

Communication	AS-Interface
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### Closed-loop control techniques

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

Compliance with standards	UL 508C (UL list number E121068), CE, RCM
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#### CE marking

Low-voltage directive 2006/95/EC