



Figure similar

### MLFB-Ordering data

6SL3511-0PE17-5AM0

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>	Convection
Rated current	2.00 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	0.75 kW	<b>Storage</b>	-40 ... 70 °C (-40 ... 158 °F)
Rated current (IN)	2.30 A	<b>Relative humidity</b>	
Max. output current	4.60 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
Frame size	FSA
Net weight	6.70 kg
Width	445.0 mm
Height	210.0 mm
Depth	125.0 mm

### Inputs / outputs

#### Standard digital inputs

Number	4
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#### Analog / digital inputs

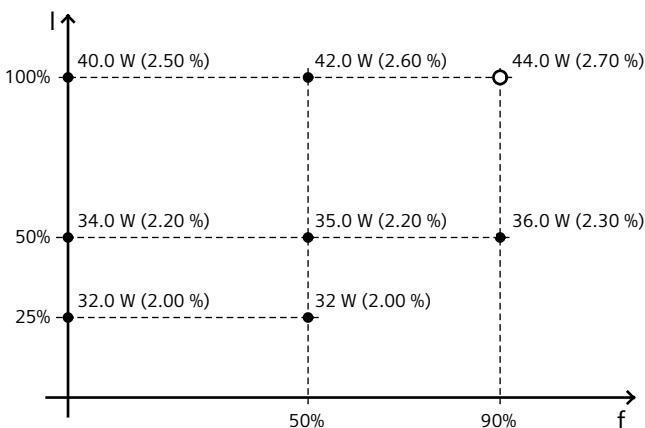
Number	1
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#### PTC/ KTY interface

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

### Converter losses to IEC61800-9-2\*

Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	28.80 %



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.

\*converted values

### Connections

#### Line side

Version	HAN Q4/2 (connector)
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Conductor cross-section	1.50 ... 6.00 mm <sup>2</sup>
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#### Motor end

Version	HAN Q8 (socket)
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Conductor cross-section	1.00 ... 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