

### Ordering data

6SL3210-1PE21-8UL0



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>	0.85
<b>Number of phases</b>	3 AC	<b>Offset factor <math>\cos \varphi</math></b>	0.95
<b>Line voltage</b>	380 ... 480 V $\pm 10\%$	<b>Efficiency <math>\eta</math></b>	0.97
<b>Line frequency</b>	47 ... 63 Hz	<b>Sound pressure level (1m)</b>	62 dB
<b>Rated current (LO)</b>	22.20 A	<b>Power loss</b>	0.20 kW
<b>Rated current (HO)</b>	19.80 A	<b>Ambient conditions</b>	
<b>Output</b>		<b>Cooling</b>	Internal air cooling
<b>Number of phases</b>	3 AC	<b>Cooling air requirement</b>	0.009 m <sup>3</sup> /s
<b>Rated voltage</b>	400 V	<b>Installation altitude</b>	1000 m
<b>Rated power (LO)</b>	7.50 kW	<b>Ambient temperature</b>	
<b>Rated power (HO)</b>	5.50 kW	<b>Operation LO</b>	-5 ... 40 °C (23 ... 104 °F)
<b>Rated current (LO)</b>	18.00 A	<b>Operation HO</b>	-5 ... 50 °C (23 ... 122 °F)
<b>Rated current (HO)</b>	13.20 A	<b>Transport</b>	-40 ... 70 °C (-40 ... 158 °F)
<b>Max. output current</b>	27.00 A	<b>Storage</b>	-25 ... 55 °C (-13 ... 131 °F)
<b>Pulse frequency</b>	4 kHz	<b>Relative humidity</b>	
<b>Output frequency for vector control</b>	0 ... 200 Hz	<b>Max. operation</b>	95 % RH, condensation not permitted
<b>Output frequency for V/f control</b>	0 ... 550 Hz		

### Overload capability

#### Low Overload (LO)

1.1 × output current rating (i.e., 110 % overload) for 57 s with a cycle time of 300 s  
 1.5 × output current rating (i.e., 150 % overload) for 3 s with a cycle time of 300 s

#### High Overload (HO)

1.5 × output current rating (i.e., 150 % overload) for 57 s with a cycle time of 300 s  
 2 × output current rating (i.e., 200 % overload) for 3 s with a cycle time of 300 s

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### Mechanical data

Degree of protection	IP20
Size	FSB
Net weight	3.00 kg
Width	100.0 mm
Height	292.0 mm
Depth	165.0 mm

### Connections

#### Line side

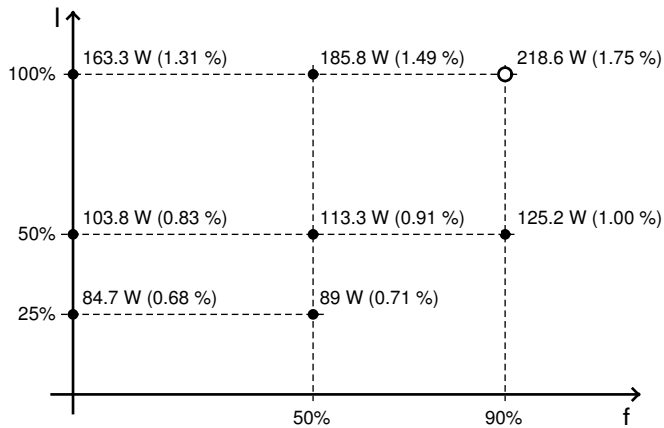
Version	Plug-in screw-type terminals
Conductor cross-section	1.50 ... 6.00 mm <sup>2</sup>

#### Motor end

Version	Plug-in screw-type terminals
Conductor cross-section	1.50 ... 6.00 mm <sup>2</sup>

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

Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	-70.14 %



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.

\*calculated values; increased by 10% according to the standard

### Max. motor cable length

Shielded	50 m
Unshielded	100 m

### Standards

Compliance with standards	UL, cUL, CE, C-Tick, SEMI F47
CE marking	According to low-voltage directive 2006/95/EC

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