



Ordering data

6SL3210-1KE14-3AB1

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Rated data	General tech. specifications																																				
Input <table> <tr> <td>Number of phases</td><td>3 AC</td></tr> <tr> <td>Line voltage</td><td>380 ... 480 V +10 % -20 %</td></tr> <tr> <td>Line frequency</td><td>47 ... 63 Hz</td></tr> <tr> <td>Rated current (LO)</td><td>5.50 A</td></tr> <tr> <td>Rated current (HO)</td><td>4.50 A</td></tr> </table>	Number of phases	3 AC	Line voltage	380 ... 480 V +10 % -20 %	Line frequency	47 ... 63 Hz	Rated current (LO)	5.50 A	Rated current (HO)	4.50 A	<table> <tr> <td>Power factor λ</td><td>0.70 ... 0.85</td></tr> <tr> <td>Offset factor $\cos \varphi$</td><td>0.95</td></tr> <tr> <td>Efficiency η</td><td>0.97</td></tr> <tr> <td>Sound pressure level (1m)</td><td>52 dB</td></tr> <tr> <td>Power loss</td><td>0.07 kW</td></tr> </table>	Power factor λ	0.70 ... 0.85	Offset factor $\cos \varphi$	0.95	Efficiency η	0.97	Sound pressure level (1m)	52 dB	Power loss	0.07 kW																
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Ordering data

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Mechanical data	
Degree of protection	IP20 / UL open type
Size	FSA
Net weight	1.70 kg
Width	73.0 mm
Height	196.0 mm
Depth	203.0 mm

Inputs/ outputs	
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Standard digital inputs

Number	6
Switching level: 0→1	11 V
Switching level: 1→0	5 V
Max. inrush current	15 mA

Fail-safe digital inputs

Number	1
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Digital outputs

Number as relay changeover contact	1
Output (resistive load)	DC 30 V, 1 A
Number as transistor	1
Output (resistive load)	DC 30 V, 1 A

Analog/ digital inputs

Number	1 (Differential input)
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Analog outputs

Number	1 (Non-isolated output)
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PTC/ KTY interface

1 motor temperature sensor input, sensors that can be connected: PTC, KTY and Thermo-Click, accuracy $\pm 5^\circ\text{C}$

Standards	
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Compliance with standards	UL, cUL, CE, C-Tick
CE marking	EMC Directive 2004/108/EC, Low-Voltage Directive 2006/95/EC

Connections

Signal cable

Conductor cross-section	0.15 ... 1.50 mm ² (28 ... 16 AWG)
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Line side

Version	Plug-in screw-type terminals
Conductor cross-section	1.00 ... 2.50 mm ² (16 ... 14 AWG)

Motor end

Version	Plug-in screw terminals
Conductor cross-section	1.00 ... 2.50 mm ² (16 ... 14 AWG)

DC link (for braking resistor)

Version	Plug-in screw terminals
Conductor cross-section	1.00 ... 2.50 mm ² (16 ... 14 AWG)
PE connection	On housing with M4 screw

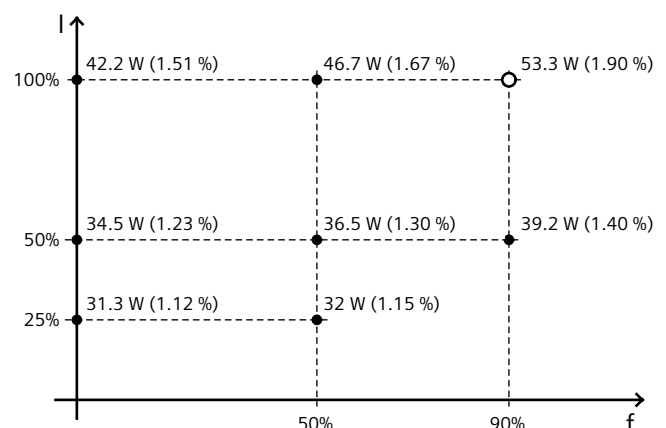
Max. motor cable length

Shielded	50 m
Unshielded	100 m

Converter losses to EN 50598-2*

Efficiency class	IE2
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Comparison with the reference converter (90% / 100%)	-76.91 %
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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