



Figure similar

### Ordering data

6SL3210-1PB21-8UL0

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Rated data		General tech. specifications	
<b>Input</b>		Power factor $\lambda$	0.85
Number of phases	1 / 3 AC	Offset factor $\cos \varphi$	0.95
Line voltage	200 ... 240 V $\pm 10\%$	Efficiency $\eta$	0.96
Line frequency	47 ... 63 Hz	Sound pressure level (1m)	65 dB
Rated current (LO)	43.00 / 24.80 A	Power loss	0.18 kW
Rated current (HO)	37.50 A	<b>Ambient conditions</b>	
<b>Output</b>		Cooling	Internal air cooling
Number of phases	3 AC	Cooling air requirement	0.018 m <sup>3</sup> /s
Rated voltage	230 V	Installation altitude	1000 m
Rated power (LO)	4.00 kW / 5.00 hp	<b>Ambient temperature</b>	
Rated power (HO)	3.00 kW / 4.00 hp	Operation LO	-5 ... 40 °C (23 ... 104 °F)
Rated current (LO)	17.50 A	Operation HO	-5 ... 50 °C (23 ... 122 °F)
Rated current (HO)	13.60 A	Transport	-40 ... 70 °C (-40 ... 158 °F)
Max. output current	27.20 A	Storage	-25 ... 55 °C (-13 ... 131 °F)
Pulse frequency	4 kHz	<b>Relative humidity</b>	
Output frequency for vector control	0 ... 200 Hz	Max. operation	95 % RH, condensation not permitted
Output frequency for V/f control	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		Connections	
Degree of protection	IP20	<b>Line side</b>	
Size	FSC	Version	Plug-in screw-type terminals
Net weight	5.00 kg	Conductor cross-section	6.00 ... 16.00 mm <sup>2</sup>
Width	140.0 mm	<b>Motor end</b>	
Height	355.0 mm	Version	Plug-in screw-type terminals
Depth	165.0 mm	Conductor cross-section	6.00 ... 16.00 mm <sup>2</sup>
<b>Max. motor cable length</b>			
Shielded		50 m	
Unshielded		100 m	
Standards			
Compliance with standards		UL, cUL, CE, C-Tick (RCM), SEMI F47	
CE marking		According to low-voltage directive 2006/95/EC	