



Figure similar

Ordering data

6SL3210-1PB21-4AL0

Client order no. :

Item no. :

Order no. :

Consignment no. :

Offer no. :

Project :

Remarks :

Rated data		General tech. specifications	
Input		Power factor λ	0.85
Number of phases	1 / 3 AC	Offset factor $\cos \phi$	0.95
Line voltage	200 ... 240 V $\pm 10\%$	Efficiency η	0.96
Line frequency	47 ... 63 Hz	Sound pressure level (1m)	65 dB
Rated current (LO)	35.90 / 20.70 A	Power loss	0.14 kW
Rated current (HO)	31.30 A	Ambient conditions	
Output		Cooling	Internal air cooling
Number of phases	3 AC	Cooling air requirement	0.018 m ³ /s
Rated voltage	230 V	Installation altitude	1000 m
Rated power (LO)	3.00 kW / 4.00 hp	Ambient temperature	
Rated power (HO)	2.20 kW / 3.00 hp	Operation LO	-5 ... 40 °C (23 ... 104 °F)
Rated current (LO)	13.60 A	Operation HO	-5 ... 50 °C (23 ... 122 °F)
Rated current (HO)	10.40 A	Transport	-40 ... 70 °C (-40 ... 158 °F)
Max. output current	20.80 A	Storage	-25 ... 55 °C (-13 ... 131 °F)
Pulse frequency	4 kHz	Relative humidity	
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	Line side	
Size	FSC	Version	Plug-in screw-type terminals
Net weight	5.20 kg	Conductor cross-section	1.50 ... 6.00 mm ²
Width	140.0 mm	Motor end	
Height	355.0 mm	Version	Plug-in screw-type terminals
Depth	165.0 mm	Conductor cross-section	1.50 ... 6.00 mm ²
		Max. motor cable length	
		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	