



Figure similar

MLFB-Ordering data

6SL3210-1PB13-8AL0

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

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 ± 10 %	Efficiency η	0.96
Line frequency	47 ... 63 Hz	Sound pressure level (1m)	50 dB
Rated current (LO)	9.60 A / 5.50 A	Power loss	0.04 kW
Rated current (HO)	8.40 A / 4.80 A	Filter class (integrated)	Class A
Output		Ambient conditions	
Number of phases	3 AC	Cooling	Internal air cooling
Rated voltage	230 V	Cooling air requirement	0.005 m ³ /s (0.177 ft ³ /s)
Rated current (LO)	4.20 A	Installation altitude	1000 m (3280.84 ft)
Rated current (HO)	3.20 A	Ambient temperature	
Max. output current	6.40 A	Operation LO	-5 ... 40 °C (23 ... 104 °F)
Rated power IEC 230V (LO)	0.75 kW	Operation HO	-5 ... 50 °C (23 ... 122 °F)
Rated power NEC 240V (LO)	1.00 hp	Transport	-25 ... 55 °C (-13 ... 131 °F)
Rated power IEC 230V (HO)	0.55 kW	Storage	-25 ... 55 °C (-13 ... 131 °F)
Rated power NEC 240V (HO)	0.75 hp	Relative humidity	
Pulse frequency	4 kHz	Max. operation	95 % RH, condensation not permitted
Output frequency for vector control	0 ... 200 Hz		
Output frequency for V/f control	0 ... 550 Hz		

Overload capability

Low Overload (LO)

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

High Overload (HO)

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



Figure similar

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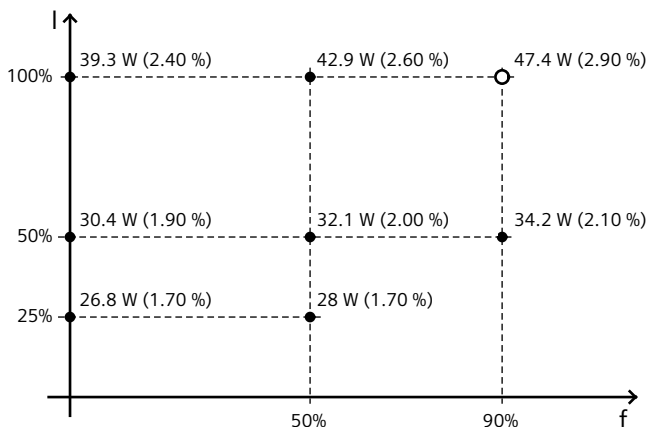
6SL3210-1PB13-8AL0

Mechanical data

Degree of protection	IP20 / UL open type
Size	FSA
Net weight	1.60 kg (3.53 lb)
Width	73 mm (2.87 in)
Height	196 mm (7.72 in)
Depth	165 mm (6.50 in)

Converter losses to IEC61800-9-2*

Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	30.70 %



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	Plug-in screw terminals
Conductor cross-section	1.00 ... 2.50 mm ² (AWG 18 ... AWG 14)

Motor end

Version	Plug-in screw terminals
Conductor cross-section	1.00 ... 2.50 mm ² (AWG 18 ... AWG 14)

Max. motor cable length

Shielded	50 m (164.04 ft)
Unshielded	100 m (328.08 ft)

Standards

Compliance with standards	UL, cUL, CE, C-Tick (RCM), SEMI F47
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CE marking	Low-voltage directive 2006/95/EC
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