



Figure similar

### MLFB-Ordering data

6SL3210-1PB21-8AL0

Client order no. :

Item no. :

Order no. :

Consignment no. :

Offer no. :

Project :

Remarks :

### Rated data

#### Input

Number of phases	1 / 3 AC
Line voltage	200 ... 240 V ±10 %
Line frequency	47 ... 63 Hz
Rated current (LO)	43.00 / 24.80 A
Rated current (HO)	37.50 A

#### Output

Number of phases	3 AC
Rated voltage	230 V
Rated power (LO)	4.00 kW / 5.00 hp
Rated power (HO)	3.00 kW / 4.00 hp
Rated current (LO)	17.50 A
Rated current (HO)	13.60 A
Max. output current	27.20 A
Pulse frequency	4 kHz
Output frequency for vector control	0 ... 200 Hz
Output frequency for V/f control	0 ... 550 Hz

### General tech. specifications

Power factor $\lambda$	0.85
Offset factor $\cos \phi$	0.95
Efficiency $\eta$	0.96
Sound pressure level (1m)	65 dB
Power loss	0.18 kW

### Ambient conditions

Cooling	Internal air cooling
Cooling air requirement	0.018 m <sup>3</sup> /s
Installation altitude	1000 m
Ambient temperature	
Operation LO	-5 ... 40 °C (23 ... 104 °F)
Operation HO	-5 ... 50 °C (23 ... 122 °F)
Transport	-40 ... 70 °C (-40 ... 158 °F)
Storage	-25 ... 55 °C (-13 ... 131 °F)

### Relative humidity

Max. operation	95 % RH, condensation not permitted
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### 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

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### Mechanical data

Degree of protection	IP20
Size	FSC
Net weight	5.20 kg
Width	140.0 mm
Height	355.0 mm
Depth	165.0 mm

### Connections

#### Line side

Version	Plug-in screw-type terminals
Conductor cross-section	6.00 ... 16.00 mm <sup>2</sup>

#### Motor end

Version	Plug-in screw terminals
Conductor cross-section	6.00 ... 16.00 mm <sup>2</sup>

#### Max. motor cable length

Shielded	50 m
Unshielded	100 m

### 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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