

MLFB-Ordering data

6SL3210-1PC22-2AL0



Figure similar

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 / 3 AC</td></tr> <tr> <td>Line voltage</td><td>200 ... 240 V ± 10 %</td></tr> <tr> <td>Line frequency</td><td>47 ... 63 Hz</td></tr> <tr> <td>Rated current (LO)</td><td>29.00 A</td></tr> <tr> <td>Rated current (HO)</td><td>26.20 A</td></tr> </table>	Number of phases	3 / 3 AC	Line voltage	200 ... 240 V ± 10 %	Line frequency	47 ... 63 Hz	Rated current (LO)	29.00 A	Rated current (HO)	26.20 A	<table> <tr> <td>Power factor λ</td><td>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>65 dB</td></tr> <tr> <td>Power loss</td><td>0.20 kW</td></tr> </table>	Power factor λ	0.85	Offset factor $\cos \varphi$	0.95	Efficiency η	0.97	Sound pressure level (1m)	65 dB	Power loss	0.20 kW																				
Number of phases	3 / 3 AC																																								
Line voltage	200 ... 240 V ± 10 %																																								
Line frequency	47 ... 63 Hz																																								
Rated current (LO)	29.00 A																																								
Rated current (HO)	26.20 A																																								
Power factor λ	0.85																																								
Offset factor $\cos \varphi$	0.95																																								
Efficiency η	0.97																																								
Sound pressure level (1m)	65 dB																																								
Power loss	0.20 kW																																								
Output <table> <tr> <td>Number of phases</td><td>3 AC</td></tr> <tr> <td>Rated voltage</td><td>230 V</td></tr> <tr> <td>Rated current (LO)</td><td>22.00 A</td></tr> <tr> <td>Rated current (HO)</td><td>17.50 A</td></tr> <tr> <td>Max. output current</td><td>35.00 A</td></tr> <tr> <td>Rated power IEC 230V (LO)</td><td>5.50 kW</td></tr> <tr> <td>Rated power NEC 240V (LO)</td><td>7.50 hp</td></tr> <tr> <td>Rated power IEC 230V (HO)</td><td>4.00 kW</td></tr> <tr> <td>Rated power NEC 240V (HO)</td><td>5.00 hp</td></tr> <tr> <td>Pulse frequency</td><td>4 kHz</td></tr> <tr> <td>Output frequency for vector control</td><td>0 ... 200 Hz</td></tr> <tr> <td>Output frequency for V/f control</td><td>0 ... 550 Hz</td></tr> </table>	Number of phases	3 AC	Rated voltage	230 V	Rated current (LO)	22.00 A	Rated current (HO)	17.50 A	Max. output current	35.00 A	Rated power IEC 230V (LO)	5.50 kW	Rated power NEC 240V (LO)	7.50 hp	Rated power IEC 230V (HO)	4.00 kW	Rated power NEC 240V (HO)	5.00 hp	Pulse frequency	4 kHz	Output frequency for vector control	0 ... 200 Hz	Output frequency for V/f control	0 ... 550 Hz	Ambient conditions <table> <tr> <td>Cooling</td><td>Internal air cooling</td></tr> <tr> <td>Cooling air requirement</td><td>0.018 m³/s</td></tr> <tr> <td>Installation altitude</td><td>1000 m</td></tr> </table> Ambient temperature <table> <tr> <td>Operation LO</td><td>-5 ... 40 °C (23 ... 104 °F)</td></tr> <tr> <td>Operation HO</td><td>-5 ... 50 °C (23 ... 122 °F)</td></tr> <tr> <td>Transport</td><td>-25 ... 55 °C (-13 ... 131 °F)</td></tr> <tr> <td>Storage</td><td>-25 ... 55 °C (-13 ... 131 °F)</td></tr> </table> Relative humidity <table> <tr> <td>Max. operation</td><td>95 % RH, condensation not permitted</td></tr> </table>	Cooling	Internal air cooling	Cooling air requirement	0.018 m³/s	Installation altitude	1000 m	Operation LO	-5 ... 40 °C (23 ... 104 °F)	Operation HO	-5 ... 50 °C (23 ... 122 °F)	Transport	-25 ... 55 °C (-13 ... 131 °F)	Storage	-25 ... 55 °C (-13 ... 131 °F)	Max. operation	95 % RH, condensation not permitted
Number of phases	3 AC																																								
Rated voltage	230 V																																								
Rated current (LO)	22.00 A																																								
Rated current (HO)	17.50 A																																								
Max. output current	35.00 A																																								
Rated power IEC 230V (LO)	5.50 kW																																								
Rated power NEC 240V (LO)	7.50 hp																																								
Rated power IEC 230V (HO)	4.00 kW																																								
Rated power NEC 240V (HO)	5.00 hp																																								
Pulse frequency	4 kHz																																								
Output frequency for vector control	0 ... 200 Hz																																								
Output frequency for V/f control	0 ... 550 Hz																																								
Cooling	Internal air cooling																																								
Cooling air requirement	0.018 m³/s																																								
Installation altitude	1000 m																																								
Operation LO	-5 ... 40 °C (23 ... 104 °F)																																								
Operation HO	-5 ... 50 °C (23 ... 122 °F)																																								
Transport	-25 ... 55 °C (-13 ... 131 °F)																																								
Storage	-25 ... 55 °C (-13 ... 131 °F)																																								
Max. operation	95 % RH, condensation not permitted																																								

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

MLFB-Ordering data

6SL3210-1PC22-2AL0



Figure similar

Mechanical data		Connections	
Degree of protection	IP20	Line side	
Size	FSC	Version	Plug-in screw terminals
Net weight	5.20 kg	Conductor cross-section	6.00 ... 16.00 mm ²
Width	140.0 mm	Motor end	
Height	355.0 mm	Version	Plug-in screw terminals
Depth	165.0 mm	Conductor cross-section	6.00 ... 16.00 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		Low-voltage directive 2006/95/EC	