

## **MLFB-Ordering data**

6SL3210-1KE22-6AF1

No image available for this configuration.

Figure similar

Client order no. :	
Order no. :	
Offer no. :	
Remarks :	

Item no. :	
Consignment no. :	
Project :	

Rated da	ta	General tech. specifications			
Input		Power factor λ	0.70 0.85		
Number of phases	3 AC	Offset factor $\cos\phi$	0.95		
Line voltage	380 480 V +10 % -20 %	Efficiency η	0.97		
Line frequency	47 63 Hz	Sound pressure level (1m)	66 dB		
Rated current (LO)	33.00 A	Power loss	0.35 kW		
Rated current (HO)	24.10 A	Ambient	Ambient conditions		
Output		Cooling	Air cooling using on integrated for		
Number of phases	3 AC	Cooling	Air cooling using an integrated fan		
Rated voltage	400 V	Cooling air requirement	0.018 m³/s		
Rated power (LO)	11.00 kW	Installation altitude	1000 m		
Rated power (HO)	7.50 kW	Ambient temperature			
Rated current (IN)	26.00 A	Operation	-10 40 °C (14 104 °F)		
Rated current (LO)	25.00 A	Transport	-40 70 °C (-40 158 °F)		
Rated current (HO)	16.50 A	Storage	-40 70 °C (-40 158 °F)		
Max. output current	33.00 A	Relative humidity			
Pulse frequency	4 kHz	Max anomation	95 % At 40 °C (104 °F), condensation and icing not permissible		
Output frequency for vector control	0 240 Hz	Max. operation			
Output frequency for V/f control	0 550 Hz	Closed-loop control techniques			
		V/f linear / square-law / parameterizable Yes			
		V/f with flux current control (FCC)	Yes		
		V/f ECO linear / square-law	Yes		
Overload capability		Sensorless vector control	Yes		
Low Overload (LO) 150 % base load current IL for 3 s, followed by 1	10% hase load surrent II for 57 s in a	Vector control, with sensor	No		
300 s cycle time	no 10 Jase Ioau current il 101 57 5 111 d	Encoderless torque control	No		
<b>High Overload (HO)</b> 200 % base load current IH for 3 s, followed by 150 % base load current IH for 57 s in a 300 s cycle time		Torque control, with encoder	No		
		Communication			
		Communication	PROFINET		



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Figure similar

		1		Figure sim
Mechanical data		Connections		
Degree of protection	IP20 / UL open type	Signal cable		
Size	FSC	Conductor cross-section	0.15 1.50	mm² (28 16 AWG)
Net weight	4.40 kg	Line side		
Width	140.0 mm	Version	Plug-in screv	v-type terminals
Height	295.0 mm	Conductor cross-section	6.00 16.0	0 mm² (10 5 AWG)
Depth	225.0 mm	Motor end		
Inputs	; / outputs	Version	Plug-in screv	v terminals
Standard digital inputs		Conductor cross-section	6.00 16.0	0 mm² (10 5 AWG)
Number	6	DC link (for braking resistor	)	
Switching level: $0 \rightarrow 1$	11 V	Version	Plug-in screv	v terminals
Switching level: 1→0	5 V	Conductor cross-section	6.00 16.0	0 mm² (10 5 AWG)
Max. inrush current	15 mA	PE connection	On housing	with M4 screw
ail-safe digital inputs		Max. motor cable length		
Number	1	Shielded	50 m	
Digital outputs		Unshielded	100 m	
Number as relay changeover co	ntact 1	Converter losses to EN 50598-2*		
Output (resistive load)	DC 30 V, 0.5 A	Efficiency class		IE2
Number as transistor	1	Comparison with the reference	converter (90% /	-66.85 %
Output (resistive load)	DC 30 V, 0.5 A	100%)		00.05 /0
Analog / digital inputs		-  ↑		
Number	1 (Differential input)	227.0 W (1.31 %)	261.0 W (1.50 %)	- <b>O</b> - <sup>311.0 W (1.80 %)</sup>
Analog outputs				
N I				
Number	1 (Non-isolated output)	152.0 W (0.88 %)	165.0 W (0.95 %)	183.0 W (1.06 %)
PTC/ KTY interface		– 126.0 W (0.73 %)	132 W (0.76 %)	
1 motor temperature sensor input and Thermo-Click, accuracy ±5 °C	, sensors that can be connected: PTC, KTY	25% -		
Standards			50%	90% f
	L, cUL, CE, C-Tick (RCM)	The percentage values show the losses in r	relation to the rated appare	nt power of the converter.
	MC Directive 2004/108/EC, Low-Voltage irective 2006/95/EC	The diagram shows the losses for the poin generating current (I) over the relative mo version of the converter without options/co	tor stator frequency(f). The	

\*calculated values; increased by 10% according to the standard