

MLFB-Ordering data

6SL3210-1KE14-3UP2



Figure similar

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

ltem no. :	
Consignment no. :	
Project :	

Rated da	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)	49 dl	В	
Rated current (LO)	5.50 A	Power loss	0.06	0.06 kW	
Rated current (HO)	4.50 A	Ambient conditions			
Output		Cooling	Air cooling	using an integrated fan	
Number of phases	3 AC	Cooling	All cooling	using an integrated fair	
Rated voltage	400 V	Cooling air requirement	0.005 m³/s		
Rated power (LO)	1.50 kW	Installation altitude	1000 m		
Rated power (HO)	1.10 kW	Ambient temperature			
Rated current (IN)	4.30 A	Operation	-10 40 °C	C (14 104 °F)	
Rated current (LO)	4.10 A	Transport	-40 70 °C	C (-40 158 °F)	
Rated current (HO)	3.10 A	Storage	-40 70 °C	C (-40 158 °F)	
Max. output current	6.20 A	Relative humidity			
Pulse frequency	4 kHz			95 % At 40 °C (104 °F), condensation	
Output frequency for vector control	0 240 Hz	Max. operation and icing not pe		ot permissible	
Output frequency for V/f control	0 550 Hz	Closed-loop control techniques			
		V/f linear / square-law / paramet	erizable	Yes	
		V/f with flux current control (FC	C)	Yes	
		V/f ECO linear / square-law		Yes	
Overload capability		Sensorless vector control		Yes	
Low Overload (LO)	110 W have load oursent II for EZ ain a	Vector control, with sensor		No	
150 % base load current IL for 3 s, followed by 110 % base load current IL for 57 s in a 300 s cycle time		Encoderless torque control		No	
High Overload (HO)		Torque control, with encoder		No	
200 % base load current IH for 3 s, followed by 150 % base load current IH for 57 s in a 300 s cycle time		Communication			
		Communication PROFIBUS DP			



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Mechanical data			Connections	
Degree of protection	IP20 / UL open type	Signal cable		
Size	FSAA	Conductor cross-section	0.15 1.5	0 mm² (28 16 AWG)
Net weight	1.40 kg	Line side		
Width	73.0 mm	Version	Plug-in scre	w-type terminals
Height	173.0 mm	Conductor cross-section	1.00 2.5	0 mm² (16 14 AWG)
Depth	155.0 mm	Motor end		
Inputs	/ outputs	Version	Plug-in scre	w terminals
Standard digital inputs		Conductor cross-section	1.00 2.5	0 mm² (16 14 AWG)
Number	6	DC link (for braking resist	or)	
Switching level: 0→1	11 V	Version	Plug-in scre	w terminals
Switching level: 1→0	5 V	Conductor cross-section	1.00 2.5	0 mm² (16 14 AWG)
Max. inrush current	15 mA	PE connection On housing with M4 screw		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 con	tact 1	Converter losses to EN 50598-2*		
Output (resistive load)	DC 30 V, 0.5 A	Efficiency class		IE2
Number as transistor	1	IEZ		-75.68 %
Output (resistive load)	DC 30 V, 0.5 A	100%)		-75.00 //
Analog / digital inputs		I↑		
Number	1 (Differential input)	49.4 W (1.74 %)	54.2 W (1.91 %)	61.7 W (2.17 %)
Analog outputs				
Number	1 (Non-isolated output)	39.1 W (1.38 %)	41.3 W (1.45 %)	44.4 W (1.56 %)
PTC/ KTY interface		34.9 W (1.23 %)	36 W (1.27 %)	
1 motor temperature sensor input, and Thermo-Click, accuracy ±5 °C	sensors that can be connected: PTC, KTY	25% -	-	
Star	ndards		50%	90% f
	, cUL, CE, C-Tick (RCM)	The percentage values show the losses	in relation to the rated appa	rent power of the converter.
EN EN	IC Directive 2004/108/EC, Low-Voltage	The diagram shows the losses for the po		
	rective 2006/95/EC	generating current (I) over the relative r version of the converter without option		ne values are valid for the basic

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