

MLFB-Ordering data

6SL3210-1KE31-4AF1



Figure similar

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

Item no. :
Consignment no. :
Project :

Rated data		General tech. specifications		
Input		Power factor λ	0.9	0 0.95
Number of phases	3 AC	Offset factor cos φ	0.9	9
Line voltage	380 480 V +10 % -20 %	Efficiency η	0.9	9
Line frequency	47 63 Hz	Sound pressure level (1m)	68	dB
Rated current (LO)	134.00 A	Power loss	1.2	23 kW
Rated current (HO)	112.00 A	Filter class (integrated)	Cla	ss A
Output		Ambian	t conditio	
Number of phases	3 AC	Ambien	t conditio	
Rated voltage	400 V	Cooling	Air coolin	g using an integrated fan
Rated power IEC 400V (LO)	75.00 kW	Cooling air requirement	0 153 m³	/s (5.403 ft³/s)
Rated power NEC 480V (LO)	75.00 hp	Installation altitude		3280.84 ft)
Rated power IEC 400V (HO)	55.00 kW	Ambient temperature	1000 m (5200.0 4 ft)
Rated power NEC 480V (HO)	60.00 hp	· ·	20 40	9C (Δ 10Δ 9F)
Rated current (IN)	136.00 A	Operation		°C (-4 104 °F)
Rated current (LO)	136.00 A	Transport		°C (-40 158 °F)
Rated current (HO)	103.00 A	Storage	-40 70	°C (-40 158 °F)
Max. output current	206.00 A	Relative humidity		
Pulse frequency	2 kHz	Max. operation	95 % RH,	condensation not permitted
Output frequency for vector control	0 240 Hz			
		Closed-loop c	ontrol tec	hniques
Output frequency for V/f control	0 550 Hz	V/f linear / square-law / paramet	erizable	Yes
		V/f with flux current control (FC	C)	Yes
Overload capability		V/f ECO linear / square-law		Yes
Low Overload (LO)		Sensorless vector control		Yes
150 % base load current IL for 3 s, followed by	110 % base load current IL for 57 s in a	Vector control, with sensor		No
300 s cycle time		Encoderless torque control		No
High Overload (HO) 200 % base load current IH for 3 s, followed by	150 % base load current IH for 57 s in a	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





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Figure similar

PROFINET, EtherNet/IP nections 0.15 1.50 mm ² (AWG 2 screw-type terminal 35.00 120.00 mm ² (AW Screw-type terminals 35.00 120.00 mm ² (AW Screw-type terminals 35.00 120.00 mm ² (AW 10 m (32.81 ft)
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Screw-type terminals
300 m (984.25 ft)
450 m (1476.38 ft)
ndards
UL, cUL, CE, C-Tick (RCM)
EMC Directive 2004/108/E Directive 2006/95/EC

1 motor temperature sensor input, sensors that can be connected: PTC, KTY and Thermo-Click, accuracy $\pm 5~^\circ\mathrm{C}$





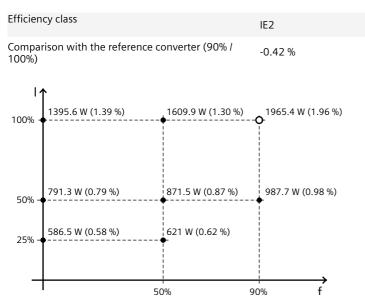
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Figure similar

Converter losses to EN 50598-2*



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 EN 50598) 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

