

MLFB-Ordering data

6SL3517-1BE12-3AM0



Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Rated data		General tech. specifications	
Input		Power factor λ	0.95
Number of phases	3 AC	Offset factor $\cos \varphi$	0.95
Line voltage	380 ... 480 V $\pm 10\%$	Efficiency η	0.98
Line frequency	47 ... 63 Hz	Power loss	0.014 kW
Rated current (HO)	2.00 A	Ambient conditions	
Output		Cooling	Forced ventilation
Number of phases	3 AC	Cooling air requirement	0.0048 m ³ /s
Rated voltage	400 V	Installation altitude	1000 m
Rated power (HO)	0.75 kW / 1.00 hp	Ambient temperature	
Rated current (HO)	2.20 A	Operation	-10 ... 40 °C (14 ... 104 °F)
Max. output voltage	0 ... 87 % Input voltage	Transport	-40 ... 70 °C (-40 ... 158 °F)
Max. output current	4.40 A	Storage	-40 ... 70 °C (-40 ... 158 °F)
Pulse frequency	4 kHz	Relative humidity	
Output frequency for vector control	0 ... 200 Hz	Max. operation	95 % RH, condensation not permitted
Output frequency for V/f control	0 ... 550 Hz		
In firmware V4.7 and higher, due to legal requirements, the maximum output frequency is restricted to 550 Hz.			

Overload capability

High Overload (HO)

2 × rated output current during 3 s, followed by 1.5 × rated output current during 57 s, during a cycle time of 300 s (110 % on average)

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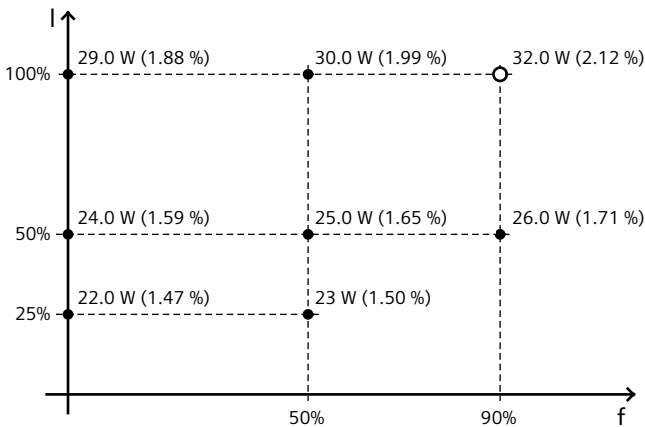


Figure similar

Mechanical data		Standards	
Degree of protection	IP66	Compliance with standards	UL, cUL, CE, C-Tick (RCM)
Size	FSA	CE marking	Low-voltage directive 2006/95/EC
Net weight	2.10 kg		
Width	161.0 mm		
Height	135.0 mm		
Depth	270.0 mm		

Converter losses to EN 50598-2*

Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	-80.76 %



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