SIEMENS

Data sheet for SINAMICS Power Module PM250

MLFB-Ordering data

6SL3225-0BE25-5AA1



Client order no. : Item no. :
Order no. : Consignment no. :
Offer no. : Project :
Remarks :

Rated data		General ted	General tech. specifications	
Input		Power factor λ	0.90	
Number of phases	3 AC	Offset factor cos φ	0.95	
Line voltage	380 480 V ±10 %	Efficiency η	0.95	
Line frequency	47 63 Hz	Sound pressure level (1m)	60 dB	
Rated current (LO)	18.00 A	Power loss	0.26 kW	
Rated current (HO)	13.20 A	Filter class (integrated)	Class A	
Output		Ambient conditions		
Number of phases	3 AC			
Rated voltage	400 V	Cooling	Internal air cooling	
Rated current (LO)	18.00 A	Cooling air requirement	0.038 m ³ /s (1.342 ft ³ /s)	
Rated current (HO)	13.20 A	Installation altitude	1000 m (3280.84 ft)	
Max. output current	26.40 A	Ambient temperature		
Rated power IEC 400V (LO)	7.50 kW	Operation LO	0 40 °C (32 104 °F)	
Rated power NEC 480V (LO)	10.00 hp	Operation HO	0 50 °C (32 122 °F)	
Rated power IEC 400V (HO)	5.50 kW	Transport	-25 55 °C (-13 131 °F)	
Rated power NEC 480V (HO)	7.50 hp	Storage	-25 55 °C (-13 131 °F)	
Pulse frequency	4 kHz	Relative humidity		
Output frequency for vector control	0 200 Hz		05 % 201	
Output frequency for V/f control	0 550 Hz	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 $1.5 \times$ rated output current (i.e. 150 % overload) for 3 s with a cycle time of 300 s

High Overload (HO)

 $1.5 \times \text{output}$ current rating (i.e., 150 % overload) for 57 s with a cycle time of 300 s 2 $\times \text{output}$ current rating (i.e., 200 % overload) for 3 s with a cycle time of 300 s



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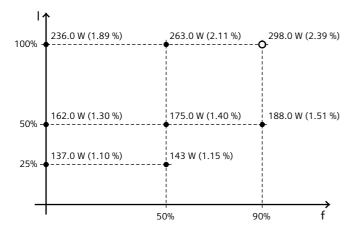


Figure similar

Mechanical data		С	Connections	
Degree of protection	IP20 / UL open type	Line side		
Size	FSC	Version	screw-type terminal	
Net weight	7.50 kg (16.53 lb)	Conductor cross-section	2.50 10.00 mm ² (AWG 14 AWG 8)	
Width	189 mm (7.44 in)	Motor end		
Height	334 mm (13.15 in)	Version	Screw-type terminals	
Depth	185 mm (7.28 in)	Conductor cross-section	2.50 10.00 mm² (AWG 14 AWG 8)	

Converter losses to EN 50598-2*

Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	-59.08 %



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.

Max. motor cable length

Shielded	25 m (82.02 ft)			
Unshielded	100 m (328.08 ft)			
Standards				
Compliance with standards	UL, cUL, CE, C-Tick (RCM)			
CE marking	Low-voltage directive 2006/95/EC			

^{*}converted values