SIEMENS

Data sheet for SINAMICS Power Module PM240

MLFB-Ordering data

6SL3224-0BE22-2AA0



Figure similar

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

Rated data		General ted	General tech. specifications	
Input		Power factor λ	0.85	
Number of phases	3 AC	Offset factor cos φ	0.95	
Line voltage	380 480 V ±10 %	Efficiency η	0.97	
Line frequency	47 63 Hz	Sound pressure level (1m)	50 dB	
Rated current with line reactor	6.10 A	Power loss	0.14 kW	
Rated current without line reactor	7.60 A	Ambier	Ambient conditions	
Output				
Number of phases	3 AC	Cooling	Internal air cooling	
Rated voltage	400 V	Cooling air requirement	0.024 m³/s (0.848 ft³/s)	
Rated current (LO)	5.90 A	Installation altitude	1000 m (3280.84 ft)	
Rated current (HO)	5.90 A	Ambient temperature		
Max. output current	11.80 A	Operation LO	0 40 °C (32 104 °F)	
Rated power IEC 400V (LO)	2.20 kW	Operation HO	0 50 °C (32 122 °F)	
Rated power NEC 480V (LO)	3.00 hp	Transport	-25 55 °C (-13 131 °F)	
Rated power IEC 400V (HO)	2.20 kW	Storage	-25 55 °C (-13 131 °F)	
Rated power NEC 480V (HO)	3.00 hp	Relative humidity		
Pulse frequency	4 kHz			
Output frequency for vector control	0 200 Hz	Max. operation	95 % RH, condensation not permitted	
Output frequency for V/f control	0 550 Hz			
Overload capability				

Low Overload (LO)

 $1.1 \times \text{rated}$ output current (i.e. 110 % overload) for 57 s with a cycle time of 300 s $1.5 \times \text{rated}$ output current (i.e. 150 % overload) for 3 s with a cycle time of 300 s

High Overload (HO)

1.5 × output current rating (i.e., 150 % overload) for 57 s with a cycle time of 300 s 2 × 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		Со	Connections	
Degree of protection	IP20 / UL open type	Line side		
Size	FSB	Version	screw-type terminal	
Net weight	4.00 kg (8.82 lb)	Conductor cross-section	1.00 6.00 mm² (AWG 18 AWG 10)	
Width	153 mm (6.02 in)	Motor end		
Height	270 mm (10.63 in)	Version	Screw-type terminals	
Depth	165 mm (6.50 in)	Conductor cross-section	1.00 6.00 mm² (AWG 18 AWG 10)	
		DC link (for braking resistor)		
		Version	Screw-type terminals	
		Conductor cross-section	1.00 6.00 mm² (AWG 18 AWG 10)	
		PE connection	On housing with M5 screw	
Max. motor cable length				
		Shielded	50 m (164.04 ft)	
		Unshielded	100 m (328.08 ft)	
		S	Standards	
		Compliance with standards	UL, cUL, CE, C-Tick (RCM), SEMI F47	
		CE marking	Low-voltage directive 2006/95/EC	