SIEMENS

Data sheet for SINAMICS Power module PM240-2

Article No. :

6SL3210-1PC24-2UL0



Figure similar

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

Rated data			
Input			
Number of phases	3 AC		
Line voltage	200 240 V ±10 %		
Line frequency	47 63 Hz		
Rated current (LO)	40.00 A		
Rated current (HO)	36.00 A		
Output			
Number of phases	3 AC		
Rated voltage	230V IEC	240V NEC 1)	
Rated power (LO)	11.00 kW	15.00 hp	
Rated power (HO)	7.50 kW	10.00 hp	
Rated current (LO)	42.00 A		
Rated current (HO)	35.00 A		
Max. output current	70.00 A		
Pulse frequency	4 kHz		
Output frequency for vector control	0 200 Hz		
Output frequency for V/f control	0 550 Hz		

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)

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

General tech. specifications		
Power factor λ	0.95	
Offset factor $\cos \phi$	0.99	
Efficiency η	0.98	
Sound pressure level (1m)	72 dB	
Power loss	0.45 kW	
Filter class (integrated)	-	

ltem no. : Consignment no. : Project :

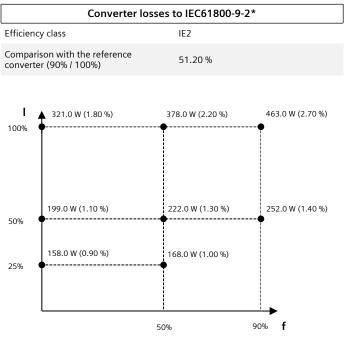
Ambient conditions		
Cooling	Internal air cooling	
Cooling air requirement	0.055 m³/s (1.942 ft³/s)	
Installation altitude	1,000 m (3,280.84 ft)	
Ambient temperature		
Operation LO	-20 40 °C (-4 104 °F)	
Operation HO	-20 50 °C (-4 122 °F)	
Transport	-40 70 °C (-40 158 °F)	
Storage	-40 70 °C (-40 158 °F)	
Relative humidity		
Max. operation	95 % RH, condensation not permitted	
Co	onnections	
Line side		
Version	screw-type terminal	
Conductor cross-section	10.00 35.00 mm² (AWG 8 AWG 2)	
Motor end		
Version	Screw-type terminals	
Conductor cross-section	10.00 35.00 mm² (AWG 8 AWG 2)	
DC link (for braking resistor)		
Version	Screw-type terminals	
Conductor cross-section	2.50 16.00 mm² (AWG 14 AWG 6)	
Cable length	10 m (32.81 ft)	
PE connection	Screw-type terminals	
Max. motor cable length		
Shielded	200 m (656.17 ft)	
Unshielded	300 m (984.25 ft)	
Med	chanical data	
Degree of protection	IP20 / UL open type	
Frame size	FSD	
Net weight	17.00 kg (37.48 lb)	
Dimensions		
Width	200 mm (7.87 in)	
Height	472 mm (18.58 in)	
Depth	237 mm (9.33 in)	
9	Standards	
Compliance with standards	UL, cUL, CE, C-Tick (RCM), SEMI F47	
CE marking	Low-voltage directive 2006/95/EC	

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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 IEC61800-9-2) 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

¹⁾The output current and HP ratings are valid for the voltage range 220V-240V