SIEMENS

Data sheet for SINAMICS Power module PM240-2

Article No.: 6SL3210-1PE33-0AL0

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





Figure simil

Rated data		
Input		
Number of phases	3 AC	
Line voltage	380 480 V ±10 %	
Line frequency	47 63 Hz	
Rated current (LO)	300.00 A	
Rated current (HO)	275.00 A	
Output		
Number of phases	3 AC	
Rated voltage	400V IEC	480V NEC 1)
Rated power (LO)	160.00 kW	250.00 hp
Rated power (HO)	132.00 kW	200.00 hp
Rated current (LO)	302.00 A	
Rated current (HO)	250.00 A	
Max. output current	500.00 A	
Pulse frequency	2 kHz	
Output frequency for vector control	0 200 Hz	
Output frequency for V/f control	0 550 Hz	
Overload capability		

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	0.90	
Offset factor $\cos\phi$	0.98	
Efficiency η	0.98	
Sound pressure level (1m)	75 dB	
Power loss	3.66 kW	
Filter class (integrated)	Class A	

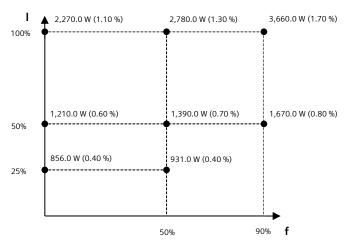
Internal air cooling 0.210 m³/s (7.416 ft³/s) 1,000 m (3,280.84 ft) -20 40 °C (-4 104 °F) -20 50 °C (-4 122 °F) -40 70 °C (-40 158 °F)		
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1,000 m (3,280.84 ft) -20 40 °C (-4 104 °F) -20 50 °C (-4 122 °F)		
-20 40 °C (-4 104 °F) -20 50 °C (-4 122 °F)		
-20 50 °C (-4 122 °F)		
-20 50 °C (-4 122 °F)		
-40 /U C (-40 136 F)		
40 70 % (40 150 %)		
-40 70 °C (-40 158 °F)		
05 % DU		
95 % RH, condensation not permitted		
Connections		
M10 bolt		
35.00 2 x 185.00 mm ² (AWG 2 AWG -5)		
M10 bolt		
35.00 2 x 185.00 mm ² (AWG 2 AWG -5)		
Screw-type terminals		
25.00 70.00 mm ² (AWG 4 AWG -1)		
10 m (32.81 ft)		
M10 screw studs		
300 m (984.25 ft)		
450 m (1,476.38 ft)		
cal data		
IP20 / UL open type		
FSG		
104.50 kg (230.38 lb)		
305 mm (12.01 in)		
1,000 mm (39.37 in)		
357 mm (14.06 in)		
Standards		
UL, cUL, CE, C-Tick (RCM), EAC, SEMI F47		
Low-voltage directive 2006/95/EC		



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Converter losses to IEC61800-9-2*	
Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	43.00 %



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 440V-480V