SIEMENS

Data sheet for SINAMICS Power module PM240-2

6SL3210-1PH21-4UL0 Article No.:

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





Rated data		
Input		
Number of phases	3 AC	
Line voltage	500 690 V ±10 %	
Line frequency	47 63 Hz	
Rated current (LO)	14.00 A	
Rated current (HO)	11.00 A	
Output		
Number of phases	3 AC	
Rated voltage	690V IEC	600V NEC 1)
Rated power (LO)	11.00 kW	10.00 hp
Rated power (HO)	7.50 kW	7.50 hp
Rated current (LO)	14.00 A	
Rated current (HO)	11.00 A	
Max. output current	22.00 A	
Pulse frequency	2 kHz	
Output frequency for vector control	0 200 Hz	
Output frequency for V/f control	0 550 Hz	
Overload capability		

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 $\cos\phi$	0.99	
Efficiency η	0.98	
Sound pressure level (1m)	72 dB	
Power loss	0.32 kW	
Filter class (integrated)	-	

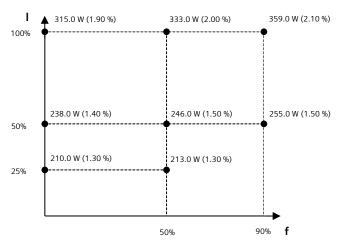
Internal air cooling 0.055 m³/s (1.942 ft³/s) 1,000 m (3,280.84 ft) -20 40 °C (-4 104 °F) -20 50 °C (-4 122 °F)	
1,000 m (3,280.84 ft) -20 40 °C (-4 104 °F)	
-20 40 °C (-4 104 °F)	
-20 50 °C (-4 122 °F)	
-40 70 °C (-40 158 °F)	
-40 70 °C (-40 158 °F)	
95 % RH, condensation not permitted	
ections	
screw-type terminal	
10.00 35.00 mm ² (AWG 8 AWG 2)	
Screw-type terminals	
10.00 35.00 mm ² (AWG 8 AWG 2)	
Screw-type terminals	
2.50 16.00 mm ² (AWG 14 AWG 6)	
10 m (32.81 ft)	
Screw-type terminals	
200 m (656.17 ft)	
300 m (984.25 ft)	
ical data	
IP20 / UL open type	
FSD	
17.00 kg (37.48 lb)	
200 mm (7.87 in)	
472 mm (18.58 in)	
237 mm (9.33 in)	
237 mm (9.33 in)	



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Converter losses to IEC61800-9-2*		
Efficiency class	IE2	
Comparison with the reference converter (90% / 100%)	41.50 %	



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 550V-600V