SIEMENS

Data sheet for SINAMICS Power module PM240-2

Article No. :

6SL3210-1PH22-3UL0



Figure similar

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

Rateo	l data	
Input		
Number of phases	3 AC	
Line voltage	500 690 V ±10	%
Line frequency	47 63 Hz	
Rated current (LO)	22.00 A	
Rated current (HO)	20.00 A	
Output		
Number of phases	3 AC	
Rated voltage	690V IEC	600V NEC ¹⁾
Rated power (LO)	18.50 kW	20.00 hp
Rated power (HO)	15.00 kW	15.00 hp
Rated current (LO)	23.00 A	
Rated current (HO)	19.00 A	
Max. output current	38.00 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	0.48 kW	
Filter class (integrated)	-	

ltem no. : Consignment no. : Project :

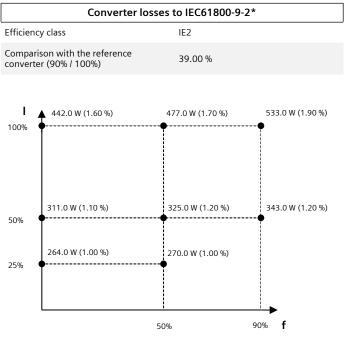
Cooling air requirement 0.055 m³/s (1.942 ft³/s) Installation altitude 1,000 m (3,280.84 ft) Ambient temperature -20 40 °C (-4 104 °F) Operation LO -20 50 °C (-4 122 °F) Transport -40 70 °C (-40 158 °F) Storage -40 70 °C (-40 158 °F) Relative humidity -20 40 °C (-4 104 °F) Max. operation HO -20 50 °C (-4 122 °F) Transport -40 70 °C (-40 158 °F) Storage -40 70 °C (-40 158 °F) Relative humidity -40 70 °C (-40 158 °F) Version \$5 % RH, condensation not permitted Conductor cross-section 10.00 35.00 mm² Conductor cross-section 10.00 35.00 mm² Conductor cross-section 10.00 35.00 mm² Conductor cross-section 2.50 16.00 mm² <	Ambient conditions			
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Shielded 200 m (656.17 ft) Unshielded 300 m (984.25 ft) Unshielded 120 / UL open type Image: Ima	PE connection	Screw-type terminals		
Unshielded 300 m (984.25 ft) Image: Image	Max. motor cable length			
Mechanical data Degree of protection IP20 / UL open type Frame size FSD Net weight 17.00 kg (37.48 lb) Dimensions 200 mm (7.87 in) Height 200 mm (7.87 in) Depth 237 mm (9.33 in) Standards UL, cUL, CE, C-Tick (RCM), SEMI F47	Shielded	200 m (656.17 ft)		
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Width 200 mm (7.87 in) Height 472 mm (18.58 in) Depth 237 mm (9.33 in)	Frame size	FSD		
Width 200 mm (7.87 in) Height 472 mm (18.58 in) Depth 237 mm (9.33 in) Standards UL, CUL, CE, C-Tick (RCM), SEMI F47	Net weight	17.00 kg (37.48 lb)		
Height 472 mm (18.58 in) Depth 237 mm (9.33 in) Standards Compliance with standards UL, cUL, CE, C-Tick (RCM), SEMI F47	Dimensions			
Depth 237 mm (9.33 in) Standards Compliance with standards UL, cUL, CE, C-Tick (RCM), SEMI F47	Width	200 mm (7.87 in)		
Standards Compliance with standards UL, cUL, CE, C-Tick (RCM), SEMI F47	Height	472 mm (18.58 in)		
Compliance with standards UL, cUL, CE, C-Tick (RCM), SEMI F47	Depth	237 mm (9.33 in)		
·	Standards			
CE marking Low-voltage directive 2006/05/EC	Compliance with standards	UL, cUL, CE, C-Tick (RCM), SEMI F47		
Low-voltage directive 2000/95/EC	CE marking	Low-voltage directive 2006/95/EC		

SIEMENS

Data sheet for SINAMICS Power module PM240-2

Article No. :

6SL3210-1PH22-3UL0



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