

Data sheet for SINAMICS Power Module PM240-2

Ordering data

6SL3210-1PE14-3AL1



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	0.96	
Line frequency	47 63 Hz	Sound pressure level (1m)	72 dB	
Rated current (LO)	5.50 A	Power loss	0.07 kW	
Rated current (HO)	4.70 A	Ambier	Ambient conditions	
Output		Cooling	Internal air cooling	
Number of phases	3 AC	Cooling air requirement	0.005 m³/s	
Rated voltage	400 V	Installation altitude	1000 m	
Rated power (LO)	1.50 kW / 2.00 hp	Ambient temperature		
Rated power (HO)	1.10 kW / 1.50 hp	Operation LO	-5 40 °C (23 104 °F)	
Rated current (LO)	4.10 A	Operation HO	-5 50 °C (23 122 °F)	
Rated current (HO)	3.10 A	Transport	-40 70 °C (-40 158 °F)	
Max. output current	6.20 A	Storage	-25 55 °C (-13 131 °F)	
Pulse frequency	4 kHz	Relative humidity		
Output frequency for vector control	0 200 Hz			
Output frequency for V/f control	0 550 Hz	Max. operation	95 % RH, condensation not permitted	

Overload capability

Low Overload (LO)

1.1 × output current rating (i.e., 110 % overload) for 57 s with a cycle time of 300 s 1.5 × output current rating (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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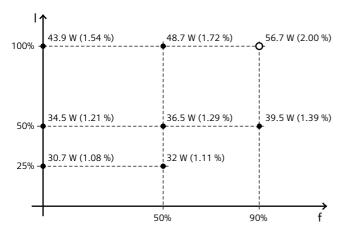
Figure similar

Mechanical data		Co	Connections	
Degree of protection	IP20	Line side		
Size	FSA	Version	Plug-in screw-type terminals	
Net weight	1.50 kg	Conductor cross-section	1.00 2.50 mm²	
Width	73.0 mm	Motor end		
Height	196.0 mm	Version	Plug-in screw-type terminals	
Depth	165.0 mm	Conductor cross-section	1.00 2.50 mm²	

Converter losses to EN 50598-2*

Efficiency class	IE2

Comparison with the reference converter (90% / $^{-75.70}$ %



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 EN 50598) 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.

Max. motor cable length

Shielded	50 m			
Unshielded	100 m			
Standards				
Compliance with standards	UL, cUL, CE, C-Tick (RCM), SEMI F47			
CE marking	According to low-voltage directive 2006/95/EC			

^{*}calculated values; increased by 10% according to the standard