SIEMENS

Data sheet for SINAMICS Power module PM230

Article No. :

6SL3223-0DE23-0BG1



Figure similar

Rated data		
Input		
Number of phases	3 AC	
Line voltage	380 480 V ±10 %	
Line frequency	47 63 Hz	
Rated current (LO)	8.00 A	
Rated current (HO)	6.10 A	
Output		
Number of phases	3 AC	
Rated voltage	400V IEC	480V NEC 1)
Rated power (LO)	3.00 kW	4.00 hp
Rated power (HO)	2.20 kW	3.00 hp
Rated current (LO)	7.70 A	
Rated current (HO)	5.90 A	
Max. output current	11.80 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	0.90	
Offset factor $\cos \phi$	0.95	
Efficiency η	0.96	
Sound pressure level (1m)	62 dB	
Power loss	0.12 kW	
Filter class (integrated)	Class B	

ltem no. : Consignment no. : Project :

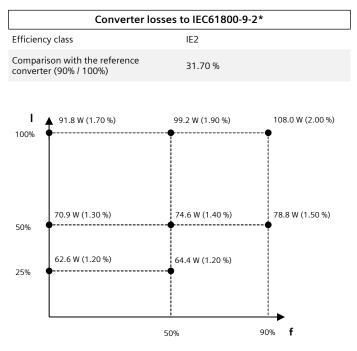
Cooling air requirementInternal air coolingCooling air requirement0.007 m³/s (0.247 ft³/s)Installation altitude1,000 m (3,280.84 ft)Ambient temperatureOperation LO-10 40 °C (14 104 °F)Operation HO-10 50 °C (-13 131 °F)Storage-25 55 °C (-13 131 °F)Storage-25 55 °C (-13 131 °F)Relative humidity95 % RH, condensation not permittedImage: Storage95 % RH, condensation not permittedConductor cross-section1.00 2.50 mm² (AWG 18 AWG 14)Conductor cross-section1.00 2.50 mm² (AWG 18 AWG 14)VersionPlug-in screw terminalsConductor cross-section1.00 2.50 mm² (AWG 18 AWG 14)Max. motor cable length1.00 2.50 mm² (AWG 18 AWG 14)Shielded50 m (164.04 ft)Unshielded100 m (328.08 ft)Unshielded100 m (328.08 ft)Wet weight4.30 kg (9.48 lb)Ver weight4.30 kg (9.48 lb)Width154 mm (6.06 in)Height460 mm (18.11 in)Depth249 mm (9.80 in)Compliance with standardsUL, CE, C-Tick (RCM)Cumpliance with standardsUL, CE, C-Tick (RCM)	Ambient conditions		
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Standards Compliance with standards UL, CE, C-Tick (RCM)	Height	460 mm (18.11 in)	
Compliance with standards UL, CE, C-Tick (RCM)	Depth	249 mm (9.80 in)	
		Standards	
CE marking Low-voltage directive 2006/95/EC	Compliance with standards	UL, CE, C-Tick (RCM)	
	CE marking	Low-voltage directive 2006/95/EC	

SIEMENS

Data sheet for SINAMICS Power module PM230

Article No. :

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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.

*calculated values

 $^{1)}\mbox{The output current and HP ratings are valid for the voltage range 440V-480V$