SIEMENS

Data sheet for SINAMICS Power module PM230

Article No. :

6SL3223-0DE22-2AG1



Figure similar

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

Rated data			
Input			
Number of phases	3 AC		
Line voltage	380 480 V ±10 %		
Line frequency	47 63 Hz		
Rated current (LO)	6.10 A		
Rated current (HO)	4.20 A		
Output			
Number of phases	3 AC		
Rated voltage	400V IEC	480V NEC 1)	
Rated power (LO)	2.20 kW	3.00 hp	
Rated power (HO)	1.50 kW	2.00 hp	
Rated current (LO)	5.90 A		
Rated current (HO)	4.10 A		
Max. output current	8.90 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	0.10 kW	
Filter class (integrated)	Class A	

ltem no. : Consignment no. : Project :

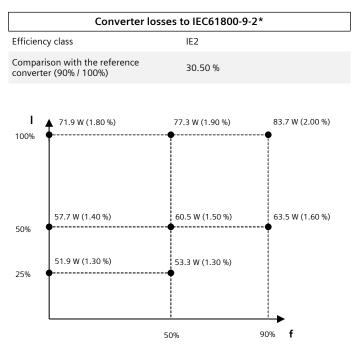
Cooling Internal air cooling Cooling air requirement 0.007 m²/s (0.247 ft²/s) Installation altitude 1,000 m (3,280.84 ft) Ambient temperature Operation LO -10 40 °C (14 104 °F) Operation HO -10 50 °C (14 122 °F) Transport -25 55 °C (-13 131 °F) Storage -25 55 °C (-13 131 °F) Storage -25 55 °C (-13 131 °F) Relative humidity Version 95 % RH, condensation not permitted Conductor cross-section 1.00 2.50 mm² Conductor cross-section Iversion Plug-in screw terminals Conductor cross-section 1.00 2.50 mm² Version Plug-in screw terminals Conductor cross-section 1.00 2.50 mm² Iversion Plug-in screw terminals Conductor cross-section 1.00 2.50 mm² Iversion Plug-in screw terminals Conductor cross-section 1.00 2.50 mm² Iversion Plug-in screw terminals Conductor cross-section 1.00 2.50 mm² Iversion So m (164.04 ft) Unsheided 1.00 m (328.08 ft) Iversion Iversion I	۸۳۲	ient 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. :

6SL3223-0DE22-2AG1



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

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