SIEMENS

Data sheet for SINAMICS Power module PM230

Article No. :

6SL3223-0DE34-5BA0



Figure similar

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

Ratec	Rated data		
Input			
Number of phases	3 AC		
Line voltage	380 480 V ±10	%	
Line frequency	47 63 Hz		
Rated current (LO)	84.00 A		
Rated current (HO)	70.00 A		
Output			
Number of phases	3 AC		
Rated voltage	400V IEC	480V NEC 1)	
Rated power (LO)	45.00 kW	60.00 hp	
Rated power (HO)	37.00 kW	50.00 hp	
Rated current (LO)	90.00 A		
Rated current (HO)	75.00 A		
Max. output current	150.00 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	0.97	
Sound pressure level (1m)	56 dB	
Power loss	1.20 kW	
Filter class (integrated)	Class B	

ltem no. : Consignment no. : Project :

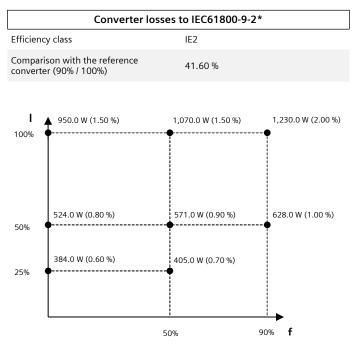
Cooling air requirement 0.039 m³/s (1.377 ft³/s) Installation altitude 1,000 m (3,280.84 ft) Ambient temperature Operation LO 0 40 °C (32 104 °F) Operation HO 0 50 °C (32 122 °F) Transport -25 55 °C (-13 131 °F) Storage -25 55 °C (-13 131 °F) Storage -25 55 °C (-13 131 °F) Relative humidity Version Version M6 bolt Conductor cross-section 25.00 50.00 mm² (AWG 4 AWG 1) Version M6 bolt Conductor cross-section 25.00 50.00 mm² (AWG 4 AWG 1) Version M6 bolt Conductor cross-section 25.00 50.00 mm² (AWG 4 AWG 1) Max. motor cable length 25.00 50.00 mm² (AWG 4 AWG 1) Mielded 100 m (328.08 ft) Unshielded 100 m (328.08 ft) Insteilded 100 m (328.08 ft) Versions FSE Kut weight 320 mm (12.60 in) Height 751 mm (29.57 in) Depth 329 mm (12.95 in) Depth 329 mm (12.95 in) Compliance with standards CE, C-Tick (RCM)	Ambient conditions			
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Standards Compliance with standards CE, C-Tick (RCM)	Height	751 mm (29.57 in)		
Compliance with standards CE, C-Tick (RCM)	Depth	329 mm (12.95 in)		
		Standards		
CE marking Low-voltage directive 2006/95/EC	Compliance with standards	CE, C-Tick (RCM)		
	CE marking	Low-voltage directive 2006/95/EC		

SIEMENS

Data sheet for SINAMICS Power module PM230

Article No. :

6SL3223-0DE34-5BA0



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⁾The output current and HP ratings are valid for the voltage range 440V-480V