

MLFB-Ordering data

6SL3223-0DE31-5BA0

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Rated data		General tech. specifications	
Input		Power factor λ0.90	
Number of phases	3 AC	Offset factor cos φ0.95	
Line voltage	380 ... 480 V ±10 %	Efficiency η0.97	
Line frequency	47 ... 63 Hz	Sound pressure level (1m)66 dB	
Rated current (LO)	33.00 A	Power loss0.39 kW	
Rated current (HO)	27.00 A	Filter class (integrated)Class B	
Output		Ambient conditions	
Number of phases	3 AC	CoolingInternal air cooling	
Rated voltage	400 V	Cooling air requirement0.020 m³/s (0.706 ft³/s)	
Rated current (LO)	32.00 A	Installation altitude1000 m (3280.84 ft)	
Rated current (HO)	26.00 A	Ambient temperature	
Max. output current	52.00 A	Operation LO0 ... 40 °C (32 ... 104 °F)	
Rated power IEC 400V (LO)	15.00 kW	Operation HO0 ... 50 °C (32 ... 122 °F)	
Rated power NEC 480V (LO)	20.00 hp	Transport-25 ... 55 °C (-13 ... 131 °F)	
Rated power IEC 400V (HO)	11.00 kW	Storage-25 ... 55 °C (-13 ... 131 °F)	
Rated power NEC 480V (HO)	15.00 hp	Relative humidity	
Pulse frequency	4 kHz	Max. operation95 % RH, condensation not permitted	
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 x rated output current (i.e. 150 % overload) for 3 s with a cycle time of 300 s

High Overload (HO)

1.5 x output current rating (i.e., 150 % overload) for 57 s with a cycle time of 300 s 2 x output current rating (i.e., 200 % overload) for 3 s with a cycle time of 300 s

SIEMENS

Data sheet for SINAMICS Power Module PM230

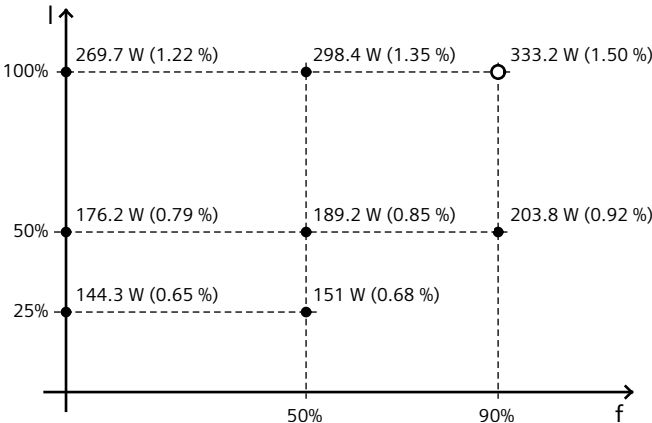
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Figure similar

Mechanical data	Connections
Degree of protection	IP55 / UL type 12
Size	FSC
Net weight	9.50 kg (20.94 lb)
Width	230 mm (9.06 in)
Height	620 mm (24.41 in)
Depth	249 mm (9.80 in)
Line side	
Version	Plug-in screw terminals
Conductor cross-section	10.00 ... 16.00 mm² (AWG 8 ... AWG 6)
Motor end	
Version	Plug-in screw terminals
Conductor cross-section	10.00 ... 16.00 mm² (AWG 8 ... AWG 6)

Converter losses to EN 50598-2*	
Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	-71.15 %



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.

*converted values

Max. motor cable length	
Shielded	25 m (82.02 ft)
Unshielded	100 m (328.08 ft)

Standards	
Compliance with standards	UL, CE, C-Tick (RCM)
CE marking	Low-voltage directive 2006/95/EC