SIEMENS

Data sheet for SINAMICS G120 Power Module PM230



Ordering data

6SL3223-0DE31-8BA0

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

Item no. :
Consignment no. :
Project :

Rated data

Input

Number of phases	3 AC
Line voltage	380 ... 480 V ±10 %
Line frequency	47 ... 63 Hz
Rated current (LO)	39.00 A
Rated current (HO)	33.00 A

Output

Number of phases	3 AC
Rated voltage	400 V
Rated power (LO)	18.50 kW
Rated power (HO)	15.00 kW
Rated current (LO)	38.00 A
Rated current (HO)	32.00 A
Max. output current	64.00 A
Pulse frequency	4 kHz
Output frequency for vector control	0 ... 200 Hz
Output frequency for V/f control	0 ... 550 Hz

General tech. specifications

Power factor λ	0.90
Offset factor cos φ	0.95
Efficiency η	0.97
Sound pressure level (1m)	56 dB
Power loss	0.52 kW

Ambient conditions

Cooling	Internal air cooling
Cooling air requirement	0.039 m³/s
Installation altitude	1000 m

Ambient temperature

Operation LO	0 ... 40 °C (32 ... 104 °F)
Operation HO	0 ... 50 °C (32 ... 122 °F)
Transport	-40 ... 70 °C (-40 ... 158 °F)
Storage	-25 ... 55 °C (-13 ... 131 °F)

Relative humidity

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

Technical data are subject to change! There may be discrepancies between calculated and rating plate values.

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Mechanical data

Degree of protection	IP55/UL Type 12
Size	FSD
Net weight	31.00 kg
Width	320.0 mm
Height	640.0 mm
Depth	329.0 mm

Connections

Line side

Version	M6 bolt
Conductor cross-section	16.00 ... 35.00 mm²

Motor end

Version	M6 bolt
Conductor cross-section	16.00 ... 35.00 mm²

Max. motor cable length

Shielded	25 m
Unshielded	100 m

Standards

Compliance with standards	CE, C-Tick
CE marking	According to low-voltage directive 2006/95/EC