SIEMENS

Data sheet for SINAMICS G110M Power Module PM240M

Ordering data

6SL3517-1BE12-3AM0



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 (HO)	2.00 A

Output

Number of phases	3 AC
Rated voltage	400 V
Rated power (HO)	0.75 kW / 1.00 hp
Rated current (HO)	2.20 A
Max. output voltage	0 ... 87 % Input voltage
Max. output current	4.40 A
Pulse frequency	4 kHz
Output frequency for vector control	0 ... 200 Hz
Output frequency for V/f control	0 ... 550 Hz

In firmware V4.7 and higher, due to legal requirements, the maximum output frequency is restricted to 550 Hz.

General tech. specifications

Power factor λ	0.95
Offset factor cos φ	0.95
Efficiency η	0.98
Power loss	0.014 kW

Ambient conditions

Cooling	Forced ventilation
Cooling air requirement	0.0048 m³/s
Installation altitude	1000 m

Ambient temperature

Operation	-10 ... 40 °C (14 ... 104 °F)
Transport	-40 ... 70 °C (-40 ... 158 °F)
Storage	-40 ... 70 °C (-40 ... 158 °F)

Relative humidity

Max. operation	95 % RH, condensation not permitted

Overload capability

High Overload (HO)

2 × rated output current during 3 s, followed by 1.5 × rated output current during 57 s, during a cycle time of 300 s (110 % on average)

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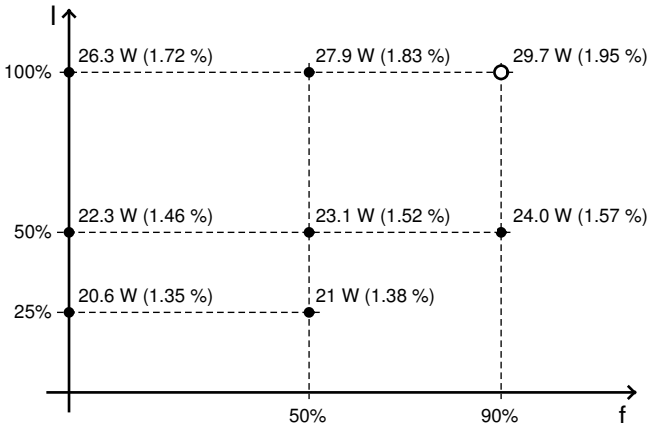


Mechanical data

Degree of protection	IP66
Size	FSA
Net weight	2.10 kg
Width	161.0 mm
Height	135.0 mm
Depth	270.0 mm

Converter losses to EN 50598-2*

Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	-82.32 %



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.

*calculated values; increased by 10% according to the standard

Standards

Compliance with standards	UL, cUL, CE, C-Tick
CE marking	Low-voltage directive 2006/95/EC