SIEMENS

Data sheet for SINAMICS Power Module PM240-2

Ordering data

6SL3210-1PC22-2AL0



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

Item no. :
Consignment no. :
Project :

Rated data

Input

Number of phases	3 AC
Line voltage	200 ... 240 V ±10 %
Line frequency	47 ... 63 Hz
Rated current (LO)	29.00 A
Rated current (HO)	26.20 A

Output

Number of phases	3 AC
Rated voltage	230 V
Rated power (LO)	5.50 kW
Rated power (HO)	4.00 kW
Rated current (LO)	22.00 A
Rated current (HO)	17.50 A
Max. output current	35.00 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	0.85
Offset factor cos φ	0.95
Efficiency η	0.97
Sound pressure level (1m)	65 dB
Power loss	0.20 kW

Ambient conditions

Cooling	Internal air cooling
Cooling air requirement	0.018 m³/s
Installation altitude	1000 m

Ambient temperature

Operation LO	-5 ... 40 °C (23 ... 104 °F)
Operation HO	-5 ... 50 °C (23 ... 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	IP20
Size	FSC
Net weight	5.20 kg
Width	140.0 mm
Height	355.0 mm
Depth	165.0 mm

Connections

Line side

Version	Plug-in screw-type terminals
Conductor cross-section	6.00 ... 16.00 mm²

Motor end

Version	Plug-in screw-type terminals
Conductor cross-section	6.00 ... 16.00 mm²

Max. motor cable length

Shielded	50 m
Unshielded	100 m

Standards

Compliance with standards	UL, cUL, CE, C-Tick, SEMI F47
CE marking	According to low-voltage directive 2006/95/EC