

Data sheet for SINAMICS Power module PM240

Article No. : 6SL3224-0BE21-1UA0

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

Item no. :
Consignment no. :
Project :



Figure similar

Rated data

Input

Number of phases	3 AC
Line voltage	380 ... 480 V $\pm 10\%$
Line frequency	47 ... 63 Hz
Rated current with line reactor	3.20 A
Rated current without line reactor	3.90 A

Output

Number of phases	3 AC	
Rated voltage	400V IEC	480V NEC ¹⁾
Rated power (LO)	1.10 kW	1.50 hp
Rated power (HO)	1.10 kW	1.50 hp
Rated current (LO)	3.10 A	
Rated current (HO)	3.10 A	
Max. output current	6.20 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 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

General tech. specifications

Power factor λ	0.85
Offset factor $\cos \varphi$	0.95
Efficiency η	0.97
Sound pressure level (1m)	45 dB
Power loss	0.10 kW
Filter class (integrated)	-

Ambient conditions

Cooling	Internal air cooling
Cooling air requirement	0.005 m ³ /s (0.177 ft ³ /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)

Relative humidity

Max. operation	95 % RH, condensation not permitted
----------------	-------------------------------------

Connections

Line side

Version	screw-type terminal
Conductor cross-section	1.00 ... 2.50 mm ² (AWG 18 ... AWG 14)

Motor end

Version	Screw-type terminals
Conductor cross-section	1.00 ... 2.50 mm ² (AWG 18 ... AWG 14)

DC link (for braking resistor)

Version	Screw-type terminals
Conductor cross-section	1.00 ... 2.50 mm ² (AWG 18 ... AWG 14)
PE connection	On housing with M4 screw

Max. motor cable length

Shielded	50 m (164.04 ft)
Unshielded	100 m (328.08 ft)

Mechanical data

Degree of protection	IP20 / UL open type
Frame size	FSA
Net weight	1.10 kg (2.43 lb)
Dimensions	
Width	73 mm (2.87 in)
Height	173 mm (6.81 in)
Depth	145 mm (5.71 in)

Standards

Compliance with standards	UL, cUL, CE, C-Tick (RCM), SEMI F47
CE marking	Low-voltage directive 2006/95/EC

Data sheet for SINAMICS Power module PM240

Article No. : 6SL3224-0BE21-1UA0

¹⁾The output current and HP ratings are valid for the voltage range 440V-480V