SIEMENS

Data sheet for SINAMICS Power module PM240

6SL3224-0BE27-5AA0 Article No.:

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





Rated data					
Input					
Number of phases		3 AC			
Line voltage		380 480 V ±10 %	6		
Line frequency		47 63 Hz			
Rated current with line reactor		26.00 A			
Rated current without line reactor		31.50 A			
Output					
Number of phases		3 AC			
Rated voltage		400V IEC	480V NEC 1)		
Rated power	(LO)	11.00 kW	15.00 hp		
Rated power	(HO)	7.50 kW	10.00 hp		
Rated current (LO)		25.00 A			
Rated current (HO)		19.00 A			
Max. output current		38.00 A			
Pulse frequency		4 kHz			
Output frequency for vector control		0 200 Hz			
Output frequency for V/f control		0 550 Hz			
Overload capabi	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 \times rated output current (i.e. 150 % overload) for 3 s with a cycle time of 300 s

High Overload (HO)

 $1.5\times$ output current rating (i.e., 150 % overload) for 57 s with a cycle time of 300 s 2 \times 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 $\cos\phi$	0.95	
Efficiency η	0.95	
Sound pressure level (1m)	60 dB	
Power loss	0.30 kW	
Filter class (integrated)	Class A	

Cooling air requirement Installation altitude Ambient temperature Operation LO Operation HO Operation HIP Operation HIP Operation HO Operation HO Operation HIP Operation HO Operation HIP Operati	Amb	ient conditions
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 2.50 10.00 mm² (AWG 14 AWG 8) Motor end Version Screw-type terminals Conductor cross-section 2.50 10.00 mm² (AWG 14 AWG 8) DC link (for braking resistor) Version Screw-type terminals Conductor cross-section 2.50 10.00 mm² (AWG 14 AWG 8) DC link (for braking resistor) Version Screw-type terminals Conductor cross-section 2.50 10.00 mm² (AWG 14 AWG 8) DC link (for braking resistor) Version Screw-type terminals Conductor cross-section 10 no housing with M5 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 FSC Net weight 7.00 kg (15.43 lb) Dimensions Width 189 mm (7.44 in) Height 334 mm (13.15 in) Depth 185 mm (7.28 in) Standards Compliance with standards UL, cUL, CE, C-Tick (RCM), SEMI F47	Cooling	Internal air cooling
Ambient temperature Operation LO Operation HO Consections Relative humidity Max. operation Screw-type terminal Conductor cross-section Operation Conductor cross-section Conductor cross-section Conductor cross-section On housing with M5 screw Max. motor cable length Shielded On housing with M5 screw Mechanical data Degree of protection IP20 / UL open type Frame size FSC Net weight 7.00 kg (15.43 lb) Dimensions Width 189 mm (7.44 in) Height 334 mm (13.15 in) Depth 185 mm (7.28 in) Standards Compliance with standards UL, cUL, CE, C-Tick (RCM), SEMI F47	Cooling air requirement	0.055 m³/s (1.942 ft³/s)
Operation HO O 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 Conductor cross-section Version Screw-type terminal Conductor cross-section Conductor	Installation altitude	1,000 m (3,280.84 ft)
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Depth 185 mm (7.28 in) Standards Compliance with standards UL, cUL, CE, C-Tick (RCM), SEMI F47	Width	189 mm (7.44 in)
Standards Compliance with standards UL, cUL, CE, C-Tick (RCM), SEMI F47	Height	334 mm (13.15 in)
Compliance with standards UL, cUL, CE, C-Tick (RCM), SEMI F47	Depth	185 mm (7.28 in)
·		Standards
CE marking Low-voltage directive 2006/95/EC	Compliance with standards	UL, cUL, CE, C-Tick (RCM), SEMI F47
	CE marking	Low-voltage directive 2006/95/EC



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