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Data sheet for SINAMICS Power Module PM240



Figure similar

MLFB-Ordering data 6SL3224-0BE27-5AA0

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 with line reactor	26.00 A
Rated current without line reactor	31.50 A

Output

Number of phases	3 AC
Rated voltage	400 V
Rated current (LO)	25.00 A
Rated current (HO)	19.00 A
Max. output current	38.00 A
Rated power IEC 400V (LO)	11.00 kW
Rated power NEC 480V (LO)	15.00 hp
Rated power IEC 400V (HO)	7.50 kW
Rated power NEC 480V (HO)	10.00 hp
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 × rated output current (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

General tech. specifications

Power factor λ	0.85
Offset factor cos φ	0.95
Efficiency η	0.95
Sound pressure level (1m)	60 dB
Power loss	0.30 kW

Ambient conditions

Cooling	Internal air cooling
Cooling air requirement	0.055 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	-25 ... 55 °C (-13 ... 131 °F)
Storage	-25 ... 55 °C (-13 ... 131 °F)

Relative humidity

Max. operation	95 % RH, condensation not permitted

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Mechanical data

Degree of protection	IP20
Size	FSC
Net weight	7.00 kg
Width	189.0 mm
Height	334.0 mm
Depth	185.0 mm

Connections

Line side

Version	screw-type terminal
Conductor cross-section	2.50 ... 10.00 mm²

Motor end

Version	Screw-type terminals
Conductor cross-section	2.50 ... 10.00 mm²

DC link (for braking resistor)

Version	Screw-type terminals
Conductor cross-section	2.50 ... 10.00 mm²
PE connection	On housing with M5 screw

Max. motor cable length

Shielded	50 m
Unshielded	100 m

Standards

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