



Figure similar

MLFB-Ordering data

6SL3210-1PE34-8AL0

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Rated data		General tech. specifications	
Input		Power factor λ	0.90
Number of phases	3 AC	Offset factor $\cos \varphi$	0.98
Line voltage	380 ... 480 V ± 10 %	Efficiency η	0.98
Line frequency	47 ... 63 Hz	Sound pressure level (1m)	75 dB
Rated current (LO)	470.00 A	Power loss	6.17 kW
Rated current (HO)	400.00 A	Filter class (integrated)	Class A
Output		Ambient conditions	
Number of phases	3 AC	Cooling	Internal air cooling
Rated voltage	400 V	Cooling air requirement	0.210 m ³ /s (7.416 ft ³ /s)
Rated current (LO)	477.00 A	Installation altitude	1000 m (3280.84 ft)
Rated current (HO)	370.00 A	Ambient temperature	
Max. output current	740.00 A	Operation LO	-20 ... 40 °C (-4 ... 104 °F)
Rated power IEC 400V (LO)	250.00 kW	Operation HO	-20 ... 50 °C (-4 ... 122 °F)
Rated power NEC 480V (LO)	400.00 hp	Transport	-40 ... 70 °C (-40 ... 158 °F)
Rated power IEC 400V (HO)	200.00 kW	Storage	-40 ... 70 °C (-40 ... 158 °F)
Rated power NEC 480V (HO)	300.00 hp	Relative humidity	
Pulse frequency	2 kHz	Max. operation	95 % RH, condensation not permitted
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

SIEMENS

Data sheet for SINAMICS Power Module PM240-2

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Mechanical data	Connections																																								
<table><tr><td>Degree of protection</td><td>IP20 / UL open type</td></tr><tr><td>Size</td><td>FSG</td></tr><tr><td>Net weight</td><td>119.40 kg (263.23 lb)</td></tr><tr><td>Width</td><td>305 mm (12.01 in)</td></tr><tr><td>Height</td><td>1000 mm (39.37 in)</td></tr><tr><td>Depth</td><td>357 mm (14.06 in)</td></tr></table>	Degree of protection	IP20 / UL open type	Size	FSG	Net weight	119.40 kg (263.23 lb)	Width	305 mm (12.01 in)	Height	1000 mm (39.37 in)	Depth	357 mm (14.06 in)	<table><tr><td colspan="2">Line side</td></tr><tr><td>Version</td><td>M10 bolt</td></tr><tr><td>Conductor cross-section</td><td>35.00 ... 185.00 mm² (AWG 2 ... AWG -5)</td></tr><tr><td colspan="2">Motor end</td></tr><tr><td>Version</td><td>M10 bolt</td></tr><tr><td>Conductor cross-section</td><td>35.00 ... 185.00 mm² (AWG 2 ... AWG -5)</td></tr><tr><td colspan="2">DC link (for braking resistor)</td></tr><tr><td>Version</td><td>Screw-type terminals</td></tr><tr><td>Conductor cross-section</td><td>25.00 ... 70.00 mm² (AWG 4 ... AWG -1)</td></tr><tr><td>Cable length</td><td>10 m (32.81 ft)</td></tr><tr><td>PE connection</td><td>M10 screw studs</td></tr><tr><td colspan="2">Max. motor cable length</td></tr><tr><td>Shielded</td><td>300 m (984.25 ft)</td></tr><tr><td>Unshielded</td><td>450 m (1476.38 ft)</td></tr></table>	Line side		Version	M10 bolt	Conductor cross-section	35.00 ... 185.00 mm² (AWG 2 ... AWG -5)	Motor end		Version	M10 bolt	Conductor cross-section	35.00 ... 185.00 mm² (AWG 2 ... AWG -5)	DC link (for braking resistor)		Version	Screw-type terminals	Conductor cross-section	25.00 ... 70.00 mm² (AWG 4 ... AWG -1)	Cable length	10 m (32.81 ft)	PE connection	M10 screw studs	Max. motor cable length		Shielded	300 m (984.25 ft)	Unshielded	450 m (1476.38 ft)
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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.

*converted values