

MLFB-Ordering data

6SL3210-1PE34-8AL0



Figure similar

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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