

MLFB-Ordering data

6SL3210-1PE27-5AL0



Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Rated data	General tech. specifications																																												
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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

MLFB-Ordering data

6SL3210-1PE27-5AL0



Mechanical data																																									
Degree of protection	IP20 / UL open type																																								
Size	FSD																																								
Net weight	18.50 kg (40.79 lb)																																								
Width	200 mm (7.87 in)																																								
Height	472 mm (18.58 in)																																								
Depth	237 mm (9.33 in)																																								
Converter losses to EN 50598-2*																																									
Efficiency class	IE2																																								
Comparison with the reference converter (90% / 100%)	-54.91 %																																								
<table><tr><th>Relative torque (I)</th><th>Relative motor stator frequency (f)</th><th>Losses (W)</th><th>Losses (%)</th></tr><tr><td>100%</td><td>0%</td><td>774.0 W</td><td>1.49 %</td></tr><tr><td>100%</td><td>50%</td><td>904.0 W</td><td>1.74 %</td></tr><tr><td>100%</td><td>90%</td><td>1122.0 W</td><td>2.16 %</td></tr><tr><td>50%</td><td>0%</td><td>447.0 W</td><td>0.86 %</td></tr><tr><td>50%</td><td>50%</td><td>494.0 W</td><td>0.95 %</td></tr><tr><td>50%</td><td>90%</td><td>566.0 W</td><td>1.09 %</td></tr><tr><td>25%</td><td>0%</td><td>338.0 W</td><td>0.65 %</td></tr><tr><td>25%</td><td>50%</td><td>359 W</td><td>0.69 %</td></tr><tr><td>25%</td><td>90%</td><td>566.0 W</td><td>1.09 %</td></tr></table>		Relative torque (I)	Relative motor stator frequency (f)	Losses (W)	Losses (%)	100%	0%	774.0 W	1.49 %	100%	50%	904.0 W	1.74 %	100%	90%	1122.0 W	2.16 %	50%	0%	447.0 W	0.86 %	50%	50%	494.0 W	0.95 %	50%	90%	566.0 W	1.09 %	25%	0%	338.0 W	0.65 %	25%	50%	359 W	0.69 %	25%	90%	566.0 W	1.09 %
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Connections	
Line side	
Version	screw-type terminal
Conductor cross-section	10.00 ... 35.00 mm² (AWG 8 ... AWG 2)
Motor end	
Version	Screw-type terminals
Conductor cross-section	10.00 ... 35.00 mm² (AWG 8 ... AWG 2)
DC link (for braking resistor)	
Version	Screw-type terminals
Conductor cross-section	2.50 ... 16.00 mm² (AWG 14 ... AWG 6)
Cable length	10 m (32.81 ft)
PE connection	Screw-type terminals
Max. motor cable length	
Shielded	200 m (656.17 ft)
Unshielded	300 m (984.25 ft)
Standards	
Compliance with standards	UL, cUL, CE, C-Tick (RCM), SEMI F47
CE marking	Low-voltage directive 2006/95/EC

The percentage values show the losses in relation to the rated apparent power of the converter.

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