

MLFB-Ordering data

6SL3210-1RE31-1AL0



Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Rated data	General tech. specifications																														
Input <table> <tr> <td>Number of phases</td><td>3 AC</td></tr> <tr> <td>Line voltage</td><td>380 ... 480 V ± 10 %</td></tr> <tr> <td>Line frequency</td><td>47 ... 63 Hz</td></tr> <tr> <td>Rated current (LO)</td><td>104.00 A</td></tr> <tr> <td>Rated current (HO)</td><td>94.00 A</td></tr> </table>	Number of phases	3 AC	Line voltage	380 ... 480 V ± 10 %	Line frequency	47 ... 63 Hz	Rated current (LO)	104.00 A	Rated current (HO)	94.00 A	<table> <tr> <td>Power factor λ</td><td>0.95</td></tr> <tr> <td>Offset factor $\cos \varphi$</td><td>0.99</td></tr> <tr> <td>Efficiency η</td><td>0.98</td></tr> <tr> <td>Sound pressure level (1m)</td><td>71 dB</td></tr> <tr> <td>Power loss</td><td>1.63 kW</td></tr> </table>	Power factor λ	0.95	Offset factor $\cos \varphi$	0.99	Efficiency η	0.98	Sound pressure level (1m)	71 dB	Power loss	1.63 kW										
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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 1.35 x rated output current (i.e. 135 % 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 60 s with a cycle time of 300 s

SIEMENS

Data sheet for SINAMICS Power Module PM240P-2



Figure similar

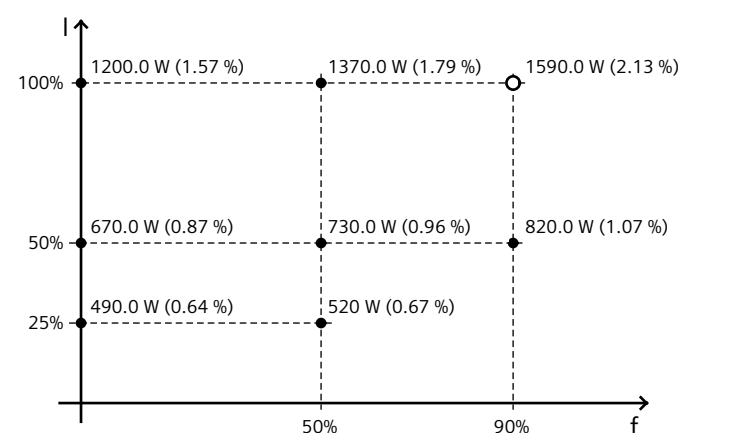
MLFB-Ordering data

6SL3210-1RE31-1AL0

Mechanical data		Connections	
Degree of protection	IP20 / UL open type	Line side	
Size	FSE	Version	screw-type terminal
Net weight	28.00 kg (61.73 lb)	Conductor cross-section	25.00 ... 70.00 mm² (AWG 4 ... AWG -1)
Width	275 mm (10.83 in)	Motor end	
Height	551 mm (21.69 in)	Version	Screw-type terminals
Depth	237 mm (9.33 in)	Conductor cross-section	25.00 ... 70.00 mm² (AWG 4 ... AWG -1)

Converter losses to EN 50598-2*

Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	-0.46 %



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

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