

MLFB-Ordering data

6SL3210-5BE25-5UV0



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 -15 % +10 %</td></tr> <tr> <td>Line frequency</td><td>47 ... 63 Hz</td></tr> </table> Output <table> <tr> <td>Number of phases</td><td>3 AC</td></tr> <tr> <td>Rated voltage</td><td>400 V</td></tr> <tr> <td>Rated power (HO)</td><td>5.50 kW / 7.50 hp</td></tr> <tr> <td>Rated power (LO)</td><td>5.50 kW / 7.50 hp</td></tr> <tr> <td>Rated current (HO)</td><td>12.50 A</td></tr> <tr> <td>Rated current (LO)</td><td>12.50 A</td></tr> <tr> <td>Rated current (HO) at 480V</td><td>11.00 A</td></tr> <tr> <td>Rated current (LO) at 480V</td><td>11.00 A</td></tr> <tr> <td>Pulse frequency</td><td>4.00 kHz</td></tr> <tr> <td>Output frequency</td><td>0 ... 550 Hz</td></tr> </table>	Number of phases	3 AC	Line voltage	380 ... 480 V -15 % +10 %	Line frequency	47 ... 63 Hz	Number of phases	3 AC	Rated voltage	400 V	Rated power (HO)	5.50 kW / 7.50 hp	Rated power (LO)	5.50 kW / 7.50 hp	Rated current (HO)	12.50 A	Rated current (LO)	12.50 A	Rated current (HO) at 480V	11.00 A	Rated current (LO) at 480V	11.00 A	Pulse frequency	4.00 kHz	Output frequency	0 ... 550 Hz	<table> <tr> <td>Power factor λ</td><td>0.72</td></tr> <tr> <td>Offset factor $\cos \varphi$</td><td>0.95</td></tr> <tr> <td>Efficiency η</td><td>0.98</td></tr> <tr> <td>Filter class (integrated)</td><td>Unfiltered</td></tr> </table> Ambient conditions <table> <tr> <td>Cooling</td><td>External fan</td></tr> <tr> <td>Installation altitude</td><td>1000 m (3281 ft)</td></tr> </table> Ambient temperature <table> <tr> <td>Operation</td><td>-10 ... 60 °C (14 ... 140 °F)</td></tr> <tr> <td>Storage</td><td>-40 ... 70 °C (-40 ... 158 °F)</td></tr> </table> Relative humidity <table> <tr> <td>Max. operation</td><td>95 %</td></tr> </table> Communication <table> <tr> <td>Communication</td><td>USS, Modbus RTU</td></tr> </table> Standards <table> <tr> <td>Compliance with standards</td><td>CE, cULus, C-Tick (RCM), KC</td></tr> <tr> <td>CE marking</td><td>EN 61800-5-1 /EN 60204-1 and EN 61800-3</td></tr> </table>	Power factor λ	0.72	Offset factor $\cos \varphi$	0.95	Efficiency η	0.98	Filter class (integrated)	Unfiltered	Cooling	External fan	Installation altitude	1000 m (3281 ft)	Operation	-10 ... 60 °C (14 ... 140 °F)	Storage	-40 ... 70 °C (-40 ... 158 °F)	Max. operation	95 %	Communication	USS, Modbus RTU	Compliance with standards	CE, cULus, C-Tick (RCM), KC	CE marking	EN 61800-5-1 /EN 60204-1 and EN 61800-3
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Overload capability

Low Overload (LO)

110 % rated output current for 60 s, cycle time 300 s

High Overload (HO)

150 % rated output current for 60 s, cycle time 300 s



Figure similar

Mechanical data

Mounting position	Through-hole mounting / wall mounting / side-by-side mounting
Degree of protection	IP20 / UL open type
Size	FSC
Net weight	2.40 kg (5.29 lb)
Width	184.0 mm (7.24 in)
Height	182.0 mm (7.17 in)
Depth	169.0 mm (6.65 in)

Inputs / outputs

Standard digital inputs

Number	4
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Digital outputs

Number as relay changeover contact	1
Number as transistor	1

Analog inputs

Number	2 (Can be used as additional digital input)
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Analog outputs

Number	1
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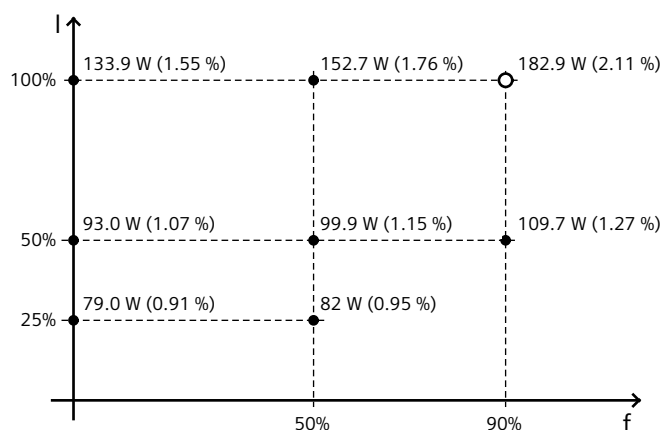
Connections

Max. motor cable length

Shielded	25 m (82 ft)
Unshielded	50 m (164 ft)

Converter losses to IEC61800-9-2*

Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	35.15 %



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 IEC61800-9-2) 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