



Figure similar

### MLFB-Ordering data

6SL3210-5BE23-0CV0

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Rated data		General tech. specifications	
<b>Input</b>		<b>Power factor <math>\lambda</math></b>	0.72
Number of phases	3 AC	<b>Offset factor <math>\cos \phi</math></b>	0.95
Line voltage	380 ... 480 V -15 % +10 %	<b>Efficiency <math>\eta</math></b>	0.98
Line frequency	47 ... 63 Hz	<b>Filter class (integrated)</b>	Class A
<b>Output</b>		<b>Ambient conditions</b>	
Number of phases	3 AC	<b>Cooling</b>	External fan
Rated voltage	400 V	<b>Installation altitude</b>	1000 m (3281 ft)
Rated power (HO)	3.00 kW / 4.00 hp	<b>Ambient temperature</b>	
Rated power (LO)	3.00 kW / 4.00 hp	<b>Operation</b>	-10 ... 60 °C (14 ... 140 °F)
Rated current (HO)	7.30 A	<b>Storage</b>	-40 ... 70 °C (-40 ... 158 °F)
Rated current (LO)	7.30 A	<b>Relative humidity</b>	
Rated current (HO) at 480V	7.30 A	<b>Max. operation</b>	95 %
Rated current (LO) at 480V	7.30 A	<b>Communication</b>	
Pulse frequency	4.00 kHz	<b>Communication</b>	USS, Modbus RTU
Output frequency	0 ... 550 Hz	<b>Standards</b>	
<b>Overload capability</b>		<b>Compliance with standards</b>	CE, cULus, C-Tick (RCM), KC
<b>Low Overload (LO)</b>		<b>CE marking</b>	EN 61800-5-1 / EN 60204-1 and EN 61800-3
110 % rated output current for 60 s, cycle time 300 s			
<b>High Overload (HO)</b>			
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	FSB
Net weight	1.80 kg ( 3.97 lb )
Width	140.0 mm ( 5.51 in )
Height	160.0 mm ( 6.30 in )
Depth	164.5 mm ( 6.48 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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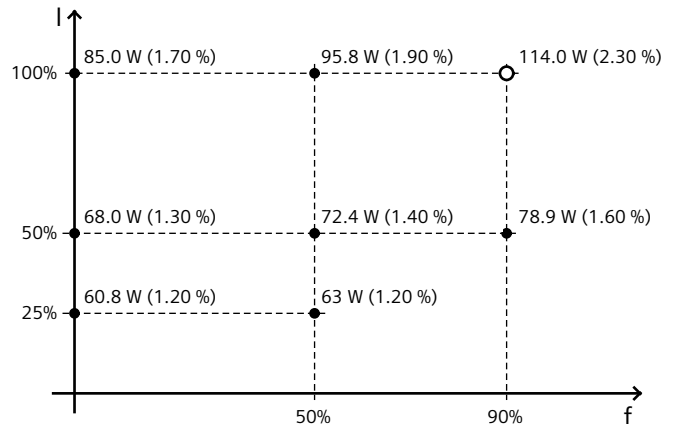
### Connections

#### 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%)	33.60 %



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