



Figure similar

MLFB-Ordering data

6SL3210-5BE25-5CV0

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Rated data		General tech. specifications	
Input		Power factor λ	0.72
Number of phases	3 AC	Offset factor $\cos \phi$	0.95
Line voltage	380 ... 480 V -15 % +10 %	Efficiency η	0.98
Line frequency	47 ... 63 Hz	Filter class (integrated)	Class A
Output		Ambient conditions	
Number of phases	3 AC	Cooling	External fan
Rated voltage	400 V	Installation altitude	1000 m (3281 ft)
Rated power (HO)	5.50 kW / 7.50 hp	Ambient temperature	
Rated power (LO)	5.50 kW / 7.50 hp	Operation	-10 ... 60 °C (14 ... 140 °F)
Rated current (HO)	12.50 A	Storage	-40 ... 70 °C (-40 ... 158 °F)
Rated current (LO)	12.50 A	Relative humidity	
Rated current (HO) at 480V	11.00 A	Max. operation	95 %
Rated current (LO) at 480V	11.00 A	Communication	
Pulse frequency	4.00 kHz	Communication	USS, Modbus RTU
Output frequency	0 ... 550 Hz	Standards	
Overload capability		Compliance with standards	CE, cULus, C-Tick (RCM), KC
Low Overload (LO)		CE marking	EN 61800-5-1 /EN 60204-1 and EN 61800-3
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	2.60 kg (5.73 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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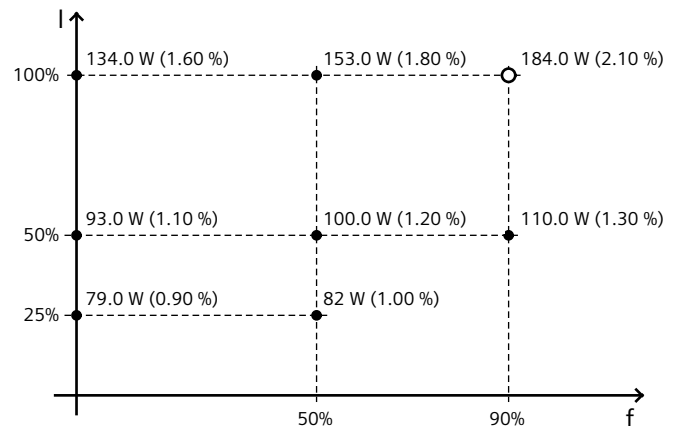
Connections

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%)	35.40 %



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