



Ordering data

6SL3223-0DE23-0BA0

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Rated data		General tech. specifications	
Input		Power factor λ	0.90
Number of phases	3 AC	Offset factor $\cos \varphi$	0.95
Line voltage	380 ... 480 V $\pm 10\%$	Efficiency η	0.96
Line frequency	47 ... 63 Hz	Sound pressure level (1m)	62 dB
Rated current (LO)	8.00 A	Power loss	0.12 kW
Rated current (HO)	6.10 A	Ambient conditions	
Output		Cooling	Internal air cooling
Number of phases	3 AC	Cooling air requirement	0.007 m ³ /s
Rated voltage	400 V	Installation altitude	1000 m
Rated power (LO)	3.00 kW	Ambient temperature	
Rated power (HO)	2.20 kW	Operation LO	0 ... 40 °C (32 ... 104 °F)
Rated current (LO)	7.70 A	Operation HO	0 ... 50 °C (32 ... 122 °F)
Rated current (HO)	5.90 A	Transport	-40 ... 70 °C (-40 ... 158 °F)
Max. output current	11.80 A	Storage	-25 ... 55 °C (-13 ... 131 °F)
Pulse frequency	4 kHz	Relative humidity	
Output frequency for vector control	0 ... 200 Hz	Max. operation	95 % RH, condensation not permitted
Output frequency for V/f control	0 ... 550 Hz		

Overload capability

Low Overload (LO)

1.1 × output current rating (i.e., 110 % overload) for 57 s with a cycle time of 300 s
 1.5 × output current rating (i.e., 150 % overload) for 3 s with a cycle time of 300 s

High Overload (HO)

1.5 × output current rating (i.e., 150 % overload) for 57 s with a cycle time of 300 s
 2 × output current rating (i.e., 200 % overload) for 3 s with a cycle time of 300 s



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Mechanical data

Degree of protection	IP55/UL Type 12
Size	FSA
Net weight	4.30 kg
Width	154.0 mm
Height	460.0 mm
Depth	249.0 mm

Connections

Line side

Version Plug-in screw-type terminals

Conductor cross-section 1.00 ... 2.50 mm²

Motor end

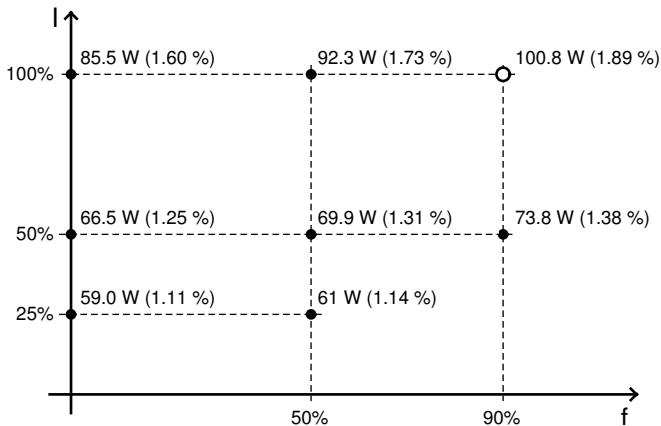
Version Plug-in screw-type terminals

Conductor cross-section 1.00 ... 2.50 mm²

Converter losses to EN 50598-2

Efficiency class	IE2
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Comparison with the reference converter (90% / 100%) -71.96 %



The percentage values indicate the losses with reference 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.

Max. motor cable length

Shielded 50 m

Unshielded 100 m

Standards

Compliance with standards UL, CE, C-Tick

CE marking

According to low-voltage directive 2006/95/EC