



### Ordering data

6SL3224-0BE22-2AA0

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>	0.85
Number of phases	3 AC	<b>Offset factor <math>\cos \phi</math></b>	0.95
Line voltage	380 ... 480 V $\pm 10\%$	<b>Efficiency <math>\eta</math></b>	0.97
Line frequency	47 ... 63 Hz	<b>Sound pressure level (1m)</b>	50 dB
Rated current with line reactor	6.1 A	<b>Power loss</b>	0.14 kW
Rated current without line reactor	7.6 A	<b>Ambient conditions</b>	
<b>Output</b>		<b>Cooling</b>	Internal air cooling
Number of phases	3 AC	<b>Cooling air requirement</b>	0.024 m <sup>3</sup> /s
Rated voltage	400 V	<b>Installation altitude</b>	1000 m
Rated power (LO)	2.2 kW	<b>Ambient temperature</b>	
Rated power (HO)	2.2 kW	<b>Operation LO</b>	0 ... 40 °C (32 ... 104 °F)
Rated current (LO)	5.9 A	<b>Operation HO</b>	0 ... 50 °C (32 ... 122 °F)
Rated current (HO)	5.9 A	<b>Transport</b>	-40 ... 70 °C (-40 ... 158 °F)
Max. output current	11.8 A	<b>Storage</b>	-25 ... 55 °C (-13 ... 131 °F)
Pulse frequency	4 kHz	<b>Relative humidity</b>	
Output frequency for V/f control	0 ... 650 Hz	<b>Max. operation</b>	95 % RH, condensation not permitted
Output frequency for vector control	0 ... 200 Hz		

### Overload capability

#### Low Overload (LO)

1.1 x output current rating (i.e., 110 % overload) for 57 s with a cycle time of 300 s 1.5 x output current rating (i.e., 150 % 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 57 s with a cycle time of 300 s 2 x 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	IP20
Size	FSB
Net weight	4.0 kg
Width	153 mm
Height	270 mm
Depth	165 mm

### Connections

#### Line side

**Version** Screw-type terminals

**Conductor cross-section** 1.00 ... 6.00 mm<sup>2</sup>

#### Motor end

**Version** Screw-type terminals

**Conductor cross-section** 1.00 ... 6.00 mm<sup>2</sup>

#### DC link (for braking resistor)

**Version** Screw-type terminals

**Conductor cross-section** 1,00 ... 6,00 mm<sup>2</sup>

**PE connection** On enclosure with M5 screw

#### Max. motor cable length

**Shielded** 50 m

**Unshielded** 100 m

### Standards

**Compliance with standards** ?PMD\_AAA074\_001\_000  
UL\_CUL\_CE\_C-TICK\_SEMI\_F47?

**CE marking** According to low-voltage directive  
2006/95/EC