



### Ordering data

6SL3224-0BE21-1UA0

Client order no. :

Item no. :

Order no. :

Consignment no. :

Offer no. :

Project :

Remarks :

Rated data		General tech. specifications	
<b>Input</b>		<b>Power factor <math>\lambda</math></b>	0.85
<b>Number of phases</b>	3 AC	<b>Offset factor <math>\cos \varphi</math></b>	0.95
<b>Line voltage</b>	380 ... 480 V $\pm 10\%$	<b>Efficiency <math>\eta</math></b>	0.97
<b>Line frequency</b>	47 ... 63 Hz	<b>Sound pressure level (1m)</b>	45 dB
<b>Rated current with line reactor</b>	3.20 A	<b>Power loss</b>	0.10 kW
<b>Rated current without line reactor</b>	3.90 A	<b>Ambient conditions</b>	
<b>Output</b>		<b>Cooling</b>	Internal air cooling
<b>Number of phases</b>	3 AC	<b>Cooling air requirement</b>	0.005 m <sup>3</sup> /s
<b>Rated voltage</b>	400 V	<b>Installation altitude</b>	1000 m
<b>Rated power (LO)</b>	1.10 kW	<b>Ambient temperature</b>	
<b>Rated power (HO)</b>	1.10 kW	<b>Operation LO</b>	0 ... 40 °C (32 ... 104 °F)
<b>Rated current (LO)</b>	3.10 A	<b>Operation HO</b>	0 ... 50 °C (32 ... 122 °F)
<b>Rated current (HO)</b>	3.10 A	<b>Transport</b>	-40 ... 70 °C (-40 ... 158 °F)
<b>Max. output current</b>	6.20 A	<b>Storage</b>	-25 ... 55 °C (-13 ... 131 °F)
<b>Pulse frequency</b>	4 kHz	<b>Relative humidity</b>	
<b>Output frequency for vector control</b>	0 ... 200 Hz	<b>Max. operation</b>	95 % RH, condensation not permitted
<b>Output frequency for V/f control</b>	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	IP20
Size	FSA
Net weight	1.10 kg
Width	73.0 mm
Height	173.0 mm
Depth	145.0 mm

### Connections

#### Line side

Version	Screw-type terminals
Conductor cross-section	1.00 ... 2.50 mm <sup>2</sup>

#### Motor end

Version	Screw-type terminals
Conductor cross-section	1.00 ... 2.50 mm <sup>2</sup>

#### DC link (for braking resistor)

Conductor cross-section	1.00 ... 2.50 mm <sup>2</sup>
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#### Max. motor cable length

Shielded	50 m
Unshielded	100 m

### Standards

Compliance with standards	UL, cUL, CE, C-Tick, SEMI F47
CE marking	According to low-voltage directive 2006/95/EC