



Figure similar

### MLFB-Ordering data

6SL3224-0BE21-1UA0

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 \varphi</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>	45 dB
Rated current with line reactor	3.20 A	<b>Power loss</b>	0.10 kW
Rated current without line reactor	3.90 A	<b>Ambient conditions</b>	
<b>Output</b>		<b>Cooling</b>	Internal air cooling
Number of phases	3 AC	<b>Cooling air requirement</b>	0.005 m <sup>3</sup> /s (0.177 ft <sup>3</sup> /s)
Rated voltage	400 V	<b>Installation altitude</b>	1000 m (3280.84 ft)
Rated current (LO)	3.10 A	<b>Ambient temperature</b>	
Rated current (HO)	3.10 A	<b>Operation LO</b>	0 ... 40 °C (32 ... 104 °F)
Max. output current	6.20 A	<b>Operation HO</b>	0 ... 50 °C (32 ... 122 °F)
Rated power IEC 400V (LO)	1.10 kW	<b>Transport</b>	-25 ... 55 °C (-13 ... 131 °F)
Rated power NEC 480V (LO)	1.50 hp	<b>Storage</b>	-25 ... 55 °C (-13 ... 131 °F)
Rated power IEC 400V (HO)	1.10 kW	<b>Relative humidity</b>	
Rated power NEC 480V (HO)	1.50 hp	<b>Max. operation</b>	95 % RH, condensation not permitted
Pulse frequency	4 kHz		
Output frequency for vector control	0 ... 200 Hz		
Output frequency for V/f control	0 ... 550 Hz		

### Overload capability

#### Low Overload (LO)

1.1 x rated output current (i.e. 110 % overload) for 57 s with a cycle time of 300 s 1.5 x rated output current (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 / UL open type
Size	FSA
Net weight	1.10 kg (2.43 lb)
Width	73 mm (2.87 in)
Height	173 mm (6.81 in)
Depth	145 mm (5.71 in)

### Connections

#### Line side

Version	screw-type terminal
Conductor cross-section	1.00 ... 2.50 mm <sup>2</sup> (AWG 18 ... AWG 14)

#### Motor end

Version	Screw-type terminals
Conductor cross-section	1.00 ... 2.50 mm <sup>2</sup> (AWG 18 ... AWG 14)

#### DC link (for braking resistor)

Version	Screw-type terminals
Conductor cross-section	1.00 ... 2.50 mm <sup>2</sup> (AWG 18 ... AWG 14)
PE connection	On housing with M4 screw

#### Max. motor cable length

Shielded	50 m (164.04 ft)
Unshielded	100 m (328.08 ft)

### Standards

Compliance with standards	UL, cUL, CE, C-Tick (RCM), SEMI F47
CE marking	Low-voltage directive 2006/95/EC