



### Ordering data

6SL3224-0BE31-1UA0

Client order no. :

Item no. :

Order no. :

Consignment no. :

Offer no. :

Project :

Remarks :

### Rated data

#### Input

Number of phases	3 AC
Line voltage	380 ... 480 V $\pm 10\%$
Line frequency	47 ... 63 Hz
Rated current with line reactor	33.00 A
Rated current without line reactor	39.00 A

#### Output

Number of phases	3 AC
Rated voltage	400 V
Rated power (LO)	15.00 kW
Rated power (HO)	11.00 kW
Rated current (LO)	32.00 A
Rated current (HO)	26.00 A
Max. output current	52.00 A
Pulse frequency	4 kHz
Output frequency for vector control	0 ... 200 Hz
Output frequency for V/f control	0 ... 550 Hz

### General tech. specifications

Power factor $\lambda$	0.85
Offset factor $\cos \varphi$	0.95
Efficiency $\eta$	0.97
Sound pressure level (1m)	60 dB
Power loss	0.40 kW

### Ambient conditions

Cooling	Internal air cooling
Cooling air requirement	0.055 m <sup>3</sup> /s
Installation altitude	1000 m
Ambient temperature	
Operation LO	0 ... 40 °C (32 ... 104 °F)
Operation HO	0 ... 50 °C (32 ... 122 °F)
Transport	-40 ... 70 °C (-40 ... 158 °F)
Storage	-25 ... 55 °C (-13 ... 131 °F)

### Relative humidity

Max. operation	95 % RH, condensation not permitted
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### 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	FSC
Net weight	7.00 kg
Width	189.0 mm
Height	334.0 mm
Depth	185.0 mm

### Connections

#### Line side

Version Screw-type terminals

Conductor cross-section 2.50 ... 10.00 mm<sup>2</sup>

#### Motor end

Version Screw-type terminals

Conductor cross-section 2.50 ... 10.00 mm<sup>2</sup>

#### DC link (for braking resistor)

Conductor cross-section 2.50 ... 10.00 mm<sup>2</sup>

#### 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