



Figure similar

MLFB-Ordering data

6SL3224-0BE15-5UA0

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

### 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	1.80 A
Rated current without line reactor	2.10 A

#### Output

Number of phases	3 AC
Rated voltage	400 V
Rated current (LO)	1.70 A
Rated current (HO)	1.70 A
Max. output current	3.40 A
Rated power IEC 400V (LO)	0.55 kW
Rated power NEC 480V (LO)	0.75 hp
Rated power IEC 400V (HO)	0.55 kW
Rated power NEC 480V (HO)	0.75 hp
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

### General tech. specifications

Power factor $\lambda$	0.85
Offset factor $\cos \varphi$	0.95
Efficiency $\eta$	0.97
Sound pressure level (1m)	45 dB
Power loss	0.10 kW

### Ambient conditions

Cooling	Internal air cooling
Cooling air requirement	0.005 m <sup>3</sup> /s (0.177 ft <sup>3</sup> /s)
Installation altitude	1000 m (3280.84 ft)
<b>Ambient temperature</b>	
Operation LO	0 ... 40 °C (32 ... 104 °F)
Operation HO	0 ... 50 °C (32 ... 122 °F)
Transport	-25 ... 55 °C (-13 ... 131 °F)
Storage	-25 ... 55 °C (-13 ... 131 °F)

### Relative humidity

Max. operation	95 % RH, condensation not permitted
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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