



Figure similar

MLFB-Ordering data

6SL3224-0BE24-0AA0

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

| Rated data | | General tech. specifications | |
|-------------------------------------|--------------------------|--|-------------------------------------|
| Input | | Power factor λ | 0.85 |
| Number of phases | 3 AC | Offset factor $\cos \varphi$ | 0.95 |
| Line voltage | 380 ... 480 V $\pm 10\%$ | Efficiency η | 0.95 |
| Line frequency | 47 ... 63 Hz | Sound pressure level (1m) | 50 dB |
| Rated current with line reactor | 10.40 A | Power loss | 0.18 kW |
| Rated current without line reactor | 13.40 A | Ambient conditions | |
| Output | | Cooling | Internal air cooling |
| Number of phases | 3 AC | Cooling air requirement | 0.024 m ³ /s |
| Rated voltage | 400 V | Installation altitude | 1000 m |
| Rated power (LO) | 4.00 kW / 5.00 hp | Ambient temperature | |
| Rated power (HO) | 4.00 kW / 5.00 hp | Operation LO | 0 ... 40 °C (32 ... 104 °F) |
| Rated current (LO) | 10.20 A | Operation HO | 0 ... 50 °C (32 ... 122 °F) |
| Rated current (HO) | 10.20 A | Transport | -40 ... 70 °C (-40 ... 158 °F) |
| Max. output current | 20.40 A | Storage | -25 ... 55 °C (-13 ... 131 °F) |
| Pulse frequency | 4 kHz | Relative humidity | |
| Output frequency for vector control | 0 ... 200 Hz | Max. operation | 95 % RH, condensation not permitted |
| 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

MLFB-Ordering data

6SL3224-0BE24-0AA0



Figure similar

Mechanical data

| | |
|----------------------|----------|
| Degree of protection | IP20 |
| Size | FSB |
| Net weight | 4.00 kg |
| Width | 153.0 mm |
| Height | 270.0 mm |
| Depth | 165.0 mm |

Connections

Line side

| | |
|-------------------------|-------------------------------|
| Version | screw-type terminal |
| Conductor cross-section | 1.00 ... 6.00 mm ² |

Motor end

| | |
|-------------------------|-------------------------------|
| Version | Screw-type terminals |
| Conductor cross-section | 1.00 ... 6.00 mm ² |

DC link (for braking resistor)

| | |
|-------------------------|-------------------------------|
| Version | Screw-type terminals |
| Conductor cross-section | 1.00 ... 6.00 mm ² |
| PE connection | On housing with M5 screw |

Max. motor cable length

| | |
|------------|-------|
| Shielded | 50 m |
| Unshielded | 100 m |

Standards

| | |
|---------------------------|-------------------------------------|
| Compliance with standards | UL, cUL, CE, C-Tick (RCM), SEMI F47 |
|---------------------------|-------------------------------------|

| | |
|------------|----------------------------------|
| CE marking | Low-voltage directive 2006/95/EC |
|------------|----------------------------------|