

MLFB-Ordering data

6SL3120-1TE21-0AA4



Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

| Rated data | | Ambient conditions | |
|-----------------------------------|-----------------------|--|---|
| DC link voltage | DC 510 ... 720 V | Installation altitude (without derating) | 1000 m (3281 ft) |
| Electronics power supply | DC 24 V -15 % / +20 % | Cooling ⁸⁾ | Internal air cooling |
| Current demand, max. | 0.85 A | Cooling air requirement | 0.008 m³/s |
| DC-link current I _d | 11.0 A | Ambient temperature | |
| Output current | | During operation | 0 ... 40 °C (32 ... 104 °F) |
| Rated value I _N | 9.0 A | Connections | |
| Base load current I _H | 7.7 A | Motor end | |
| For S6 duty (40%) I _{S6} | 10.0 A | Version | connector (X1) |
| I _{max} | 27.0 A | PE connection | M5 screw |
| Type rating ²⁾ | | Shield connecting kit | Integrated connection plug (X1) |
| Based on I _N | 4.8 kW | Max. motor cable length | |
| Based on I _H | 4.1 kW | Shielded | 50 m (164 ft) |
| Rated pulse frequency | 4.00 kHz | Unshielded | 75 m (246 ft) |
| Current carrying capacity | | Standards | |
| DC link busbars ³⁾ | 100 A | Compliance with standards | CE, cULus |
| 24 V busbars ⁴⁾ | 20 A | Safety Integrated | SIL 2 acc. to IEC 61508, PL d acc. to EN ISO 13849-1, Category 3 acc. to EN ISO 13849-1 |
| DC link capacitance | 110 µF | | |



Figure similar

| Mechanical data | | General tech. specifications | |
|-----------------------------|----------------------|--|-------------------|
| Line side | | Sound pressure level (1m) | 60.0 dB |
| Width | 50.00 mm (1.97 in) | Power loss, typ./max. ⁹⁾ | 0.06 kW / 0.10 kW |
| Height | 380.00 mm (14.96 in) | | |
| Depth | 270.00 mm (10.63 in) | | |
| Degree of protection | IP20 | | |
| Type of construction | Booksize | | |
| Net weight | 5.0 kg (11.02 lb) | | |

2) Rated output of a typical standard asynchronous motor at 400 V 3 AC

3) Possible with reinforced dc link busbar set 140 A (accessories).

4) If, when connecting several Line Modules and Motor Modules in series, the current carrying capacity exceeds 20 A, another 24 V DC connection is required using a 24 V terminal adapter (max. connectable cross-section 6 mm², max. protection 20 A).

8) Power units with intensified air cooling thanks to integrated fan

9) Power loss of the Motor Module with rated power including losses of the 24 V DC electronics power supply