



Figure similar

MLFB-Ordering data

6SL3121-1TE32-0AA4

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⁾ | External air cooling |
| Current demand, max. | 1.50 A | Cooling air requirement | 0.144 m ³ /s |
| DC-link current I _d | 200.0 A | Ambient temperature | |
| Output current | | During operation | 0 ... 40 °C (32 ... 104 °F) |
| Rated value I _N | 200.0 A | Connections | |
| Base load current I _H | 141.0 A | Motor end | |
| For S6 duty (40%) I _{S6} | 230.0 A | Version | M8 bolt (X1) |
| I _{max} | 282.0 A | Conductor cross-section | 3 ... 120 mm ² (14 ... -3 AWG) |
| Type rating ²⁾ | | PE connection | M8 Screw |
| Based on I _N | 107.0 kW | Max. motor cable length | |
| Based on I _H | 76.0 kW | Shielded | 100 m (328 ft) |
| Rated pulse frequency | 4.00 kHz | Unshielded | 150 m (492 ft) |
| Current carrying capacity | | Standards | |
| DC link busbars | 200 A | Compliance with standards | CE, cULus |
| 24 V busbars | 20 A | Safety Integrated | |
| DC link capacitance | 3995 μF | SIL 2 acc. to IEC 61508, PL d acc. to EN ISO 13849-1, Category 3 acc. to EN ISO 13849-1 | |

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Mechanical data

Line side

| | |
|----------------------|----------------------|
| Width | 300.00 mm (11.81 in) |
| Height | 629.00 mm (24.76 in) |
| Depth | 226.00 mm (8.90 in) |
| Degree of protection | IP20 / UL open type |
| Type of construction | Booksize |
| Net weight | 30.0 kg (66.14 lb) |

General tech. specifications

| | |
|--------------------------------|---------|
| Sound pressure level (1m) | 73.0 dB |
| Power loss, max. ⁹⁾ | 1.62 kW |

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

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