



Figure similar

MLFB-Ordering data

6SL3320-1TE32-6AA3

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) | 2000 m (6562 ft) |
| Electronics power supply | DC 24 V -15 % / +20 % | Cooling ²⁾ | External air cooling |
| Current demand, max. | 0.80 A | Cooling air requirement | 0.230 m ³ /s |
| Current consumption 400V AC | 1.1 A | Ambient temperature | |
| DC-link current | | During operation | |
| Rated current I _N DC | | 0 ... 40 °C (32 ... 104 °F) | |
| - Basic/Smart Line Module | 312.0 A | Connections | |
| - Active Line Module | 281.0 A | Motor end | |
| Base-load current I_L DC | | Version | M10 screw |
| - Basic/Smart Line Module | 304.0 A | Conductor cross-section | 185 mm ² (-5 AWG) |
| - Active Line Module | 273.0 A | DC link (for braking resistor) | |
| Base-load current I_H DC | | Version | M10 screw |
| - Basic/Smart Line Module | 277.0 A | Conductor cross-section | 2 x 185 mm ² (2 x -5 AWG) |
| - Active Line Module | 250.0 A | PE1 connection | M10 screw |
| Output current | | Conductor cross-section | 2 x 185 mm ² (2 x -5 AWG) |
| Rated value I _N | 260.0 A | PE2 connection | M10 screw |
| Base load current I _H | 233.0 A | Conductor cross-section | 2 x 185 mm ² (2 x -5 AWG) |
| For S6 duty (40%) I _{S6} | 285.0 A | Max. motor cable length | |
| I _{max} | 375.0 A | Shielded | 300 m (984 ft) |
| Type rating ¹⁾ | | Unshielded | 450 m (1476 ft) |
| Based on I _N | 132.0 kW | Standards | |
| Based on I _H | 110.0 kW | Compliance with standards | |
| Rated pulse frequency | 2.00 kHz | CE, cULus | |
| DC link capacitance | 5200 µF | Safety Integrated | |
| Output frequency for servo control | 0 ... 550 Hz | SIL 2 acc. to IEC 61508, PL d acc. to EN ISO 13849-1, Category 3 acc. to EN ISO 13849-1 | |
| Output frequency for V/f control | 0 ... 550 Hz | | |
| Output frequency for vector control | 0 ... 550 Hz | | |

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Mechanical data

Line side

| | |
|----------------------|-----------------------|
| Width | 326.00 mm (12.83 in) |
| Height | 1400.00 mm (55.12 in) |
| Depth | 356.00 mm (14.02 in) |
| Degree of protection | IP20 / UL open type |
| Type of construction | Chassis |
| Net weight | 95.0 kg (209.44 lb) |

General tech. specifications

Sound pressure level (1m)
50Hz/60Hz 71 dB / 71 dB

Power loss, max.

| | |
|----------------|--------|
| At 50 Hz 400 V | 2.5 kW |
| At 60 Hz 460 V | 2.6 kW |

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

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