SIEMENS

# Data sheet for Power Module

## Article No. : 6SL3310-1TE32-6AA3



Figure similar

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

| Rated data | |
|---|---|
| Line voltage | 3 AC 342 ... 528 V |
| **Type rating** [1] | |
| For $I_L$ (50 Hz 400 V) | 132 kW |
| For $I_H$ (50 Hz 400 V) | 110 kW |
| For $I_L$ (60 Hz 460 V) | 200 hp |
| For $I_H$ (60 Hz 460 V) | 200 hp |
| **Output current** | |
| Rated current $I_N$ | 260 A |
| Base-load current $I_L$ [2] | 250 A |
| Base load current $I_H$ [3] | 233 A |
| Maximum current $I_{max}$ | 375 A |
| **Input current** | |
| Rated input current $I_N$ | 284 A |
| Maximum input current $I_{max}$ | 410 A |
| **Current drawn** | |
| 24 V DC auxiliary power supply | 0.8 A |
| **Pulse frequency** | |
| Rated frequency | 2 kHz |
| Pulse frequency, max. | |
| Without current derating | 8 kHz |
| **Power loss, max.** [4] | |
| at 50 Hz 400 V | 3.27 kW |
| at 60 Hz 460 V | 3.36 kW |

| General technical specifications | |
|---|---|
| Cooling air requirement | 0.23 $m^3/s$ |
| Sound pressure level $L_{pA}$ (1 m) at 50/60 Hz | 71 dB / 71 dB |
| Minimum short-circuit current [5] | 3,600 A |
| **Line length, max.** [6] | |
| Shielded | 300 m (984.25 ft) |
| Unshielded | 450 m (1,476.38 ft) |

| Connections | |
|---|---|
| **Line connection** | |
| U1, V1, W1 | M10 screw |
| Conductor cross-section, max. (IEC) | 2 x 185 $mm^2$ |
| **Motor connection** | |
| U2/T1, V2/T2, W2/T3 | M10 screw |
| Conductor cross-section, max. (IEC) | 2 x 185 $mm^2$ |
| **PE1/GND connection** | |
| Design | M10 screw |
| Conductor cross-section, max. (IEC) | 2 x 185 $mm^2$ |
| **PE2/GND connection** | |
| Design | M10 screw |
| Conductor cross-section, max. (IEC) | 2 x 185 $mm^2$ |

| Mechanical data | |
|---|---|
| Degree of protection | IP20 / UL open type |
| Frame size | FX |
| Net weight | 104 kg (229.28 lb) |
| **Dimensions** | |
| Width | 326 mm (12.8 in) |
| Height | 1,400 mm (55.12 in) |
| Depth | 356 mm (14.02 in) |

[1] Rated output of a typ. 6-pole standard induction motor based on IL or IH with 400 V 3 AC 50 Hz (kw) or 460 V 3 AC 60 Hz (hp).

[2] The base load current IL is based on a duty cycle of 110% for 60 s or 150% for 10 s with a duty cycle period of 300 s.

[3] The base load current IH is based on a duty cycle of 150% for 60 s or 160% for 10 s with a duty cycle duration of 300 s.

[4] The specified power loss represents the maximum value at 100% utilization. The value is lower under normal operating conditions.

[5] Current required for reliably triggering protective devices.

[6] Longer cable lengths for specific configurations are available on request. For additional information, please refer to the SINAMICS Low Voltage Engineering Manual.

Subject to change. Calculated values may differ from nameplate ratings. © Copyright Siemens