

Data sheet for Active Line Modules - Chassis-2 format

Article No. : 6SL3331-7TE36-4AA0

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

Item no. :  
Consignment no. :  
Project :

Figure similar

| Rated data                           |                               |
|--------------------------------------|-------------------------------|
| Line voltage                         | 3 AC 380 ... 480 V            |
| Rated power                          |                               |
| for I <sub>N DC</sub> (50 Hz 400 V)  | 400 kW                        |
| for I <sub>N DC</sub> (60 Hz 460 V)  | 550 hp                        |
| for I <sub>H DC</sub> (60 Hz 460 V)  | 500 hp                        |
| DC-link current                      |                               |
| Rated current I <sub>N DC</sub>      | 710 A                         |
| Base-load current I <sub>L DC</sub>  | 649 A                         |
| Maximum current I <sub>max DC</sub>  | 974 A                         |
| Infeed/regenerative feedback current |                               |
| Rated current I <sub>N E</sub>       | 635 A                         |
| Maximum current I <sub>max E</sub>   | 878 A                         |
| Current drawn                        |                               |
| 24 V DC auxiliary power supply       | 1.3 A                         |
| 400 V AC                             | 1.8 A                         |
| DC link capacitance                  |                               |
| Active Line Module                   | 16,450 µF                     |
| Drive line-up, max.                  |                               |
| for 400 V / 50 Hz <sup>2)</sup>      | 130000/400000/not permissible |
| for 480 V / 60 Hz <sup>2)</sup>      | 95000/250000/not permissible  |
| Power loss, max. <sup>3)</sup>       |                               |
| at 50 Hz 400 V                       | 4.90 kW                       |
| at 60 Hz 460 V                       | 4.90 kW                       |

| Connections                         |               |
|-------------------------------------|---------------|
| Line connection U1, V1, W1          |               |
| Design                              | 4 x M12       |
| Conductor cross-section, max. (IEC) | 4 x 240 mm²   |
| DC link connection DCP, DCN         |               |
| Design                              | 2 x M12       |
| Conductor cross-section, max. (IEC) | Busbar 70 x 6 |
| PE connection                       |               |
| Design                              | 4 x M12       |
| Conductor cross-section, max. (IEC) | 4 x 240 mm²   |

| Mechanical data      |                     |
|----------------------|---------------------|
| Degree of protection | IP00                |
| Frame size           | FS2                 |
| Net weight           | 119 kg (262.40 lb)  |
| Dimensions           |                     |
| Width                | 280 mm (11.0 in)    |
| Height               | 1,248 mm (49.14 in) |
| Depth                | 542 mm (21.34 in)   |

| Other technical specifications                         |                         |
|--------------------------------------------------------|-------------------------|
| Cooling air requirement                                | 0.64 m³/s (22.59 ft³/s) |
| Sound pressure level L <sub>pA</sub> (1 m) at 50/60 Hz | 73 dB / 73 dB           |
| Minimum short-circuit current <sup>5)</sup>            | 18,000 A                |
| Line length, max. <sup>6)</sup>                        |                         |
| Shielded                                               | 3,900 m (12,799.00 ft)  |
| Unshielded                                             | 5,850 m (19,193.80 ft)  |

<sup>2)</sup> The maximum DC link capacitances of the drive line-up are specified as a function of the number of precharging resistors (2.2 Ω) connected in parallel per phase: 1 precharging resistors/2 precharging resistors/3 precharging resistors.

<sup>3)</sup> The specified power loss represents the maximum value at 100% utilization. The value is lower under normal operating conditions.

<sup>5)</sup> Minimum current required for reliably triggering protective devices.

<sup>6)</sup> Total of all motor cables and DC link. Longer cable lengths for specific configurations are available on request. For additional information, please refer to the SINAMICS Low Voltage Engineering Manual. The cable lengths are valid for use in IT systems. When used in TN systems, the cable lengths are shortened to 30% of the specified value. When used in TN systems and during operation of the Active Line Module in Chassis-2 format or the connected Motor Modules with a higher pulse frequency, the permissible cable lengths are available on request.