

Data sheet for Basic Line Modules

Article No. : 6SL3330-1TE41-2AA3

Figure similar

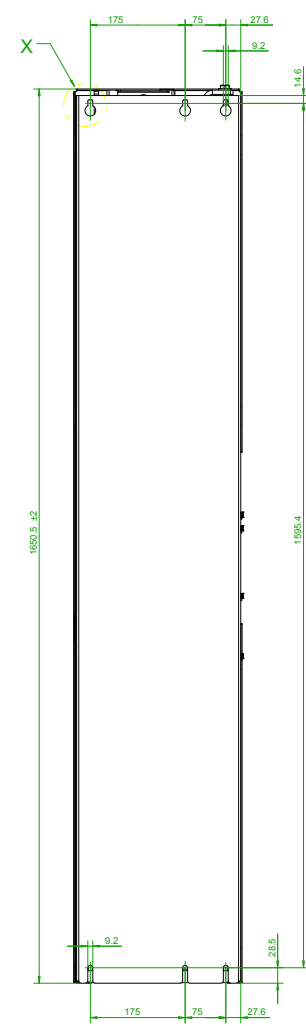
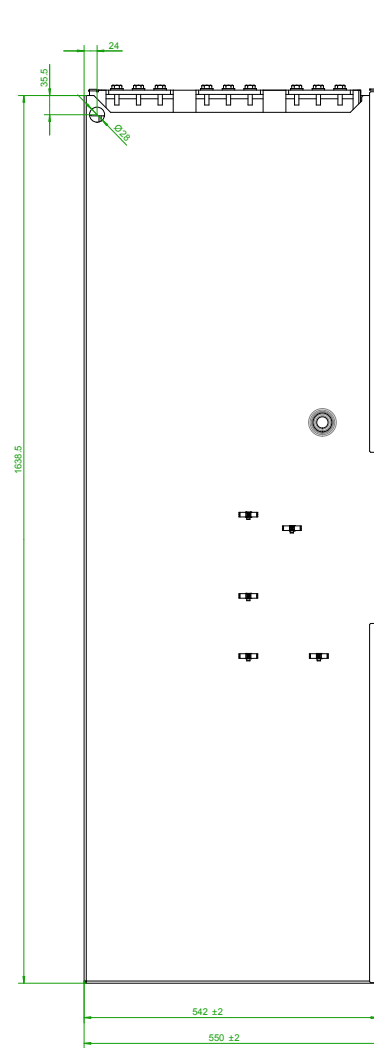
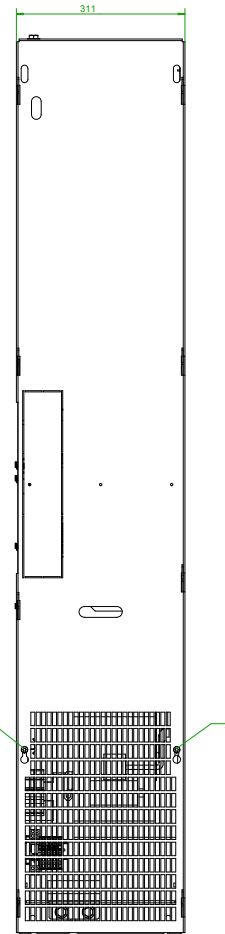
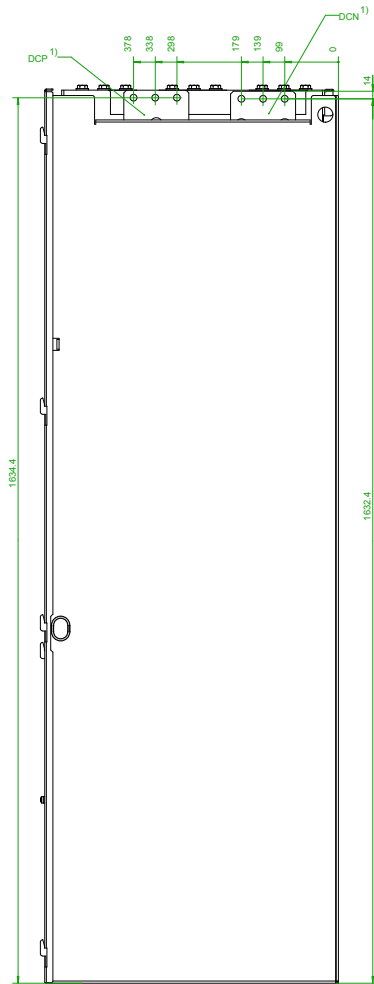
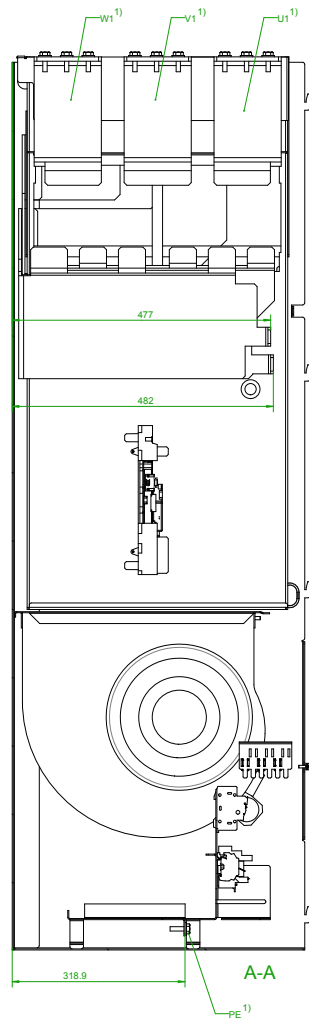
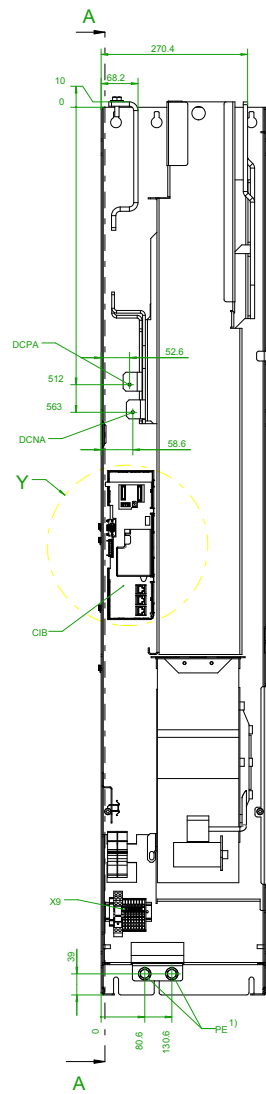
Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Rated data	
Line voltage	3 AC 380 ... 480 V
Rated power	
for I _{N DC} (50 Hz 400 V)	560 kW
for I _{H DC} (50 Hz 400 V)	450 kW
for I _{N DC} (60 Hz 460 V)	860 hp
for I _{H DC} (60 Hz 460 V)	690 hp
DC-link current	
Rated current I _{N DC}	1,200 A
Base-load current I _{H DC} ¹⁾	936 A
Maximum current I _{max DC}	1,800 A
Input current	
Rated current I _{N E}	1,010 A
Maximum current I _{max E}	1,515 A
Maximum precharging current (max. 3 s)	internal
Current drawn	
24 V DC auxiliary power supply	1.1 A
DC link capacitance	
Basic Line Module	23,200 µF
Drive line-up, max.	185,600 µF
Power loss, max. ³⁾	
at 50 Hz 400 V	4.6 kW
at 60 Hz 460 V	4.6 kW

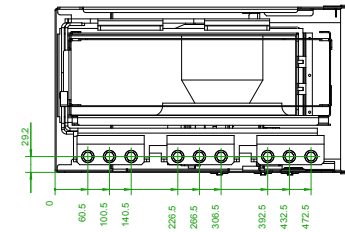
Connections	
Line connection U1, V1, W1	
Design	6 x Flat connector for M12 screw
Conductor cross-section, max. (IEC)	6 x 185 mm²
DC link connection DCP, DCN	
Design	6 x 3 x hole for M12
Conductor cross-section, max. (IEC)	6 x 185 mm²
PE/GND connection	
Design	4 x 2 x hole for M12
Conductor cross-section, max. (IEC)	4 x 240 mm²
Mechanical data	
Degree of protection	IP00
Frame size	GB
Net weight	214 kg (471.78 lb)
Dimensions	
Width	310 mm (12.2 in)
Height	1,653 mm (65.08 in)
Depth	550 mm (21.66 in)
Other technical specifications	
Cooling air requirement	0.36 m³/s (12.713 ft³/s)
Sound pressure level LpA (1 m) at 50/60 Hz	71 dB / 73 dB
Minimum short-circuit current ⁴⁾	12,400 A
Line length, max. ⁵⁾	
Shielded	4,000 m (13,123.35 ft)
Unshielded	6,000 m (19,685.05 ft)

¹⁾The base-load current DC IH is the basis for a duty cycle of 150% for 60 s or I max DC for 5 s with a duty cycle duration of 300 s.
³⁾The specified power loss represents the maximum value at 100% utilization. The value is lower under normal operating conditions.
⁴⁾Current required for reliably triggering protective devices.
⁵⁾Total of all motor cables and DC link. Longer cable lengths for specific configurations are available on request.



Ansicht mit Befestigungsbohrungen:
 - Montage mit 6 x M8
 Sicherungselement verwenden
 - Anzugsdrehmoment: 13Nm +30%

View with mounting holes:
 - fixing with 6 x M8
 use locking elements
 - tightening torque: 13Nm +30%



Anschlußquerschnitt für folgende Anschlüsse max./
 terminal cross-section for following connections max.:

6x 240mm² (je Anschluß / per connection)
 DCN, DCP
 U1, V1, W1

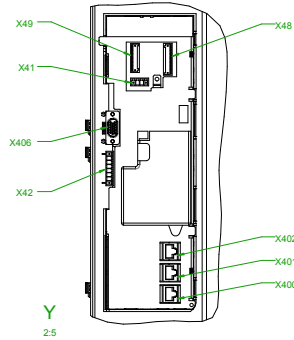
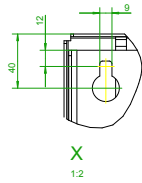
4x 240mm² (je Anschluß / per connection)
 PE/GND

35mm² (je Anschluß / per connection)
 DCPA/DCNA

Anschlüsse Einpressgewindebolzen M6 /
 connection of press threaded bolt M6:
 DCPA, DCNA

1) Anschlußschrauben M12 = 50 Nm
 connection screw M12 = 50 Nm

2) 2x Schraube für Tür M6 = 10Nm
 2x screw for door M6 = 10Nm



SIEMENS		
Einheit / unit: mm	SINAMICS S120: SINAMICS S120:	6SL3330-1TE41-2AA3
Allg. Toleranz: ISO 2768-mK Tolerierung ISO 8015 / Gen. tolerance: ISO 2768-mK Tolerance ISO 8015	Optionen / options: Gewichte / mass:	
Müllabfall / waste: ohne / without	Bemerkung / notice:	
CAD CREATOR 2.2 (WWW-Version V02.20.00.00)	Druckdatum / print date:	07.02.2017