Mounting instructions

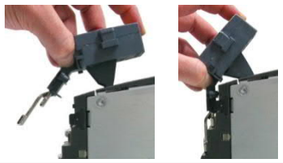
1. To open the protective cover, use the screwdriver to slightly turn the interlocking screw counter-clockwise.



2. Remove the upper and lower right-hand DC link screw.
Tool: Screwdriver Torx T20



3. Engage the adapter in the upper grid.



4. Fix the DC link adapter on the right-hand side of the component using the original M4x20 screws and the screw of the accessory kit. Then tighten the screws.


(1.8 Nm / 16 lbf in)


Torx10
(0.5 Nm/4.4 lbf in)

5. Breakout the cutouts in the protective cover.



6. Open the cover

Tool: slotted screwdriver 1 x 5.5 mm



7. Breakout these cutouts in the housing for all cable sizes.



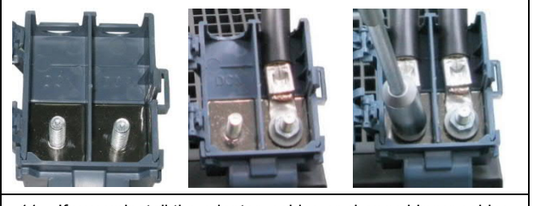
8. Breakout these cutouts in the cover for cables larger than 11mm diameter.



Note:
It is required to use a shrinkage tube for all non-insulated live parts of cable lugs and cables with a distance of more than 32 mm (1.26 inch) from stud. Refer to rib as measure.



9. Mount cables to DC link adapter with combi-nut M6 (tool size 10; DCN left, DCP right; 6 Nm / 53 lbf in). Install a pull relief for the cables in cabinet



10. Close the cover of the DC link adapter and close the protective cover of the module until you hear them snap into place.



11. If you uninstall the adapter, cables or change bigger cables for smaller ones (12 mm or less; see points 4., 5., 6.) IPxxB of the inverter is not given anymore. You shall replace the protective cover.

Article no. 6SL3162-3AD00-0AA1 for colour pastell turqoise and 6SL3162-3AD00-0AA3 for Fe-Grey

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SIEMENS SINAMICS S120

DC Link Adapter 6SL3162-2BE00-0AA0
Accessory for Motor Modules
SINAMICS S120 Booksize C/D-Type

Supplementary sheet

Please also refer to the safety instructions in the equipment manual:
SINAMICS S120 "Power Units Booksize"
6SL3097-5AC00-0BPx

Scan the QR code for further documentation for your module or follow the link:
https://support.industry.siemens.com/cs/document/109766188

⚠ WARNING	⚠ WARNING
Electric shock due to missing DC link side covers There is a danger of an electric shock through contact when the side covers of the DC link are missing. • Mount the side covers on the first and last component in the drive line-up. Order any missing side covers (article number: 6SL3162-5AA00-0AA0).	**Electric shock when the protective covers are open** Contact with live parts can result in death or serious injury. • Only operate the components with closed protective covers.
⚠ WARNING	⚠ WARNING
Electric shock if the cutout in the protective cover has been broken out If the DC link adapter is removed or protective covers are modified wrongly, and you touch live parts it will result in death or severe injury. • Replace the protective cover by a new one. Article no. 6SL3162-3AD00-0AA1.	**Electric shock due to a high DC link voltage** As long as the Line Module is connected to the line supply, the DC link is charged with a high voltage. Contact with components can result in death or serious injury. • Isolate the Line Module from the line supply during installation or maintenance work, e. g. via the line contactor or the main switch.
⚠ WARNING	⚠ WARNING
Electric shock due to residual charges in power components Because of the capacitors, a hazardous voltage is present for up to 5 minutes after the power supply has been switched off. Contact with live parts can result in death or serious injury. • Wait for 5 minutes before you check that the unit really is in a no-voltage condition and start work.	**Risk of electric shock and fire due to inverting DCP and DCN** Inverting DCP and DCN can cause hazardous voltage or fire and smoke. This can result in death or serious injury. • Never invert DCP and DCN, neither at the beginning nor at the end of the wired connections.

Note

- Comply with the ESD regulations while installation.
- Only trained staff is permitted to install spare parts.
- The DC-Link Adapter is designed and permitted exclusively for operation with the specified Modules.

Content



- Hex nut with washer M6
- Information sheet product liability
- Supplementary sheet

S120 DC Link Adapter 72 A

Components of the adapter kit

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S120 DC Link Adapter 72A is released for the following Motor Modules

Output current	S120/220 Motor Modules
45 A	6SL3120-1xE24-5ACx
60 A	6SL3120-1xE26-0ACx
It can also be used with the following modules:	
2x18 A	6SL3120-2xE21-8ADx 6SL3120-2xE21-8ACx
30 A	6SL3120-1xE23-0ADx 6SL3120-1xE23-0ACx

Technical data

		Pollution Degree 2 and Overvoltage Category III, open type
		Use 75 °C copper conductors only
Operation temperature		0…55°C
Input DC link voltage	V_{DC}	Up to 720
DC link current	A_{DC}	72
SCCR	kA	100
Weight	kg	0.1
UL		certified acc. UL61800-5-1 and CSA C22.2 no. 274, UL File E192450

Suitable for use on a circuit capable of delivering not more than 100 kA rms symmetrical amperes, 480 V AC maximum, when installed together with SINAMICS Line Modules and protected by respective branch circuit protection devices as referred in the Installation Manual for the Line Modules.

Allowed Cable lugs	Bolt	Conductor cross-section [mm²/AWG]	Torque [Nm]	Torque [lbf]
SN 71322	M6	10-35 / 8-2	6	53
DIN 46234	M6	10-35 / 8-2		
DIN 46235	M6	10-35 / 8-2		
Klauke R series	M6	10-35 / 8-2		
Weitkowitz 13206	M6	10-35 / 8-2		
Weidmüller KRN	M6	10-35 / 8-2		
Burndy YA-L	M6	10-35 / 8-2		
Panduit LCA	M6	10-35 / 8-2		
TaB CTL 8	M6	10-35 / 8-2		

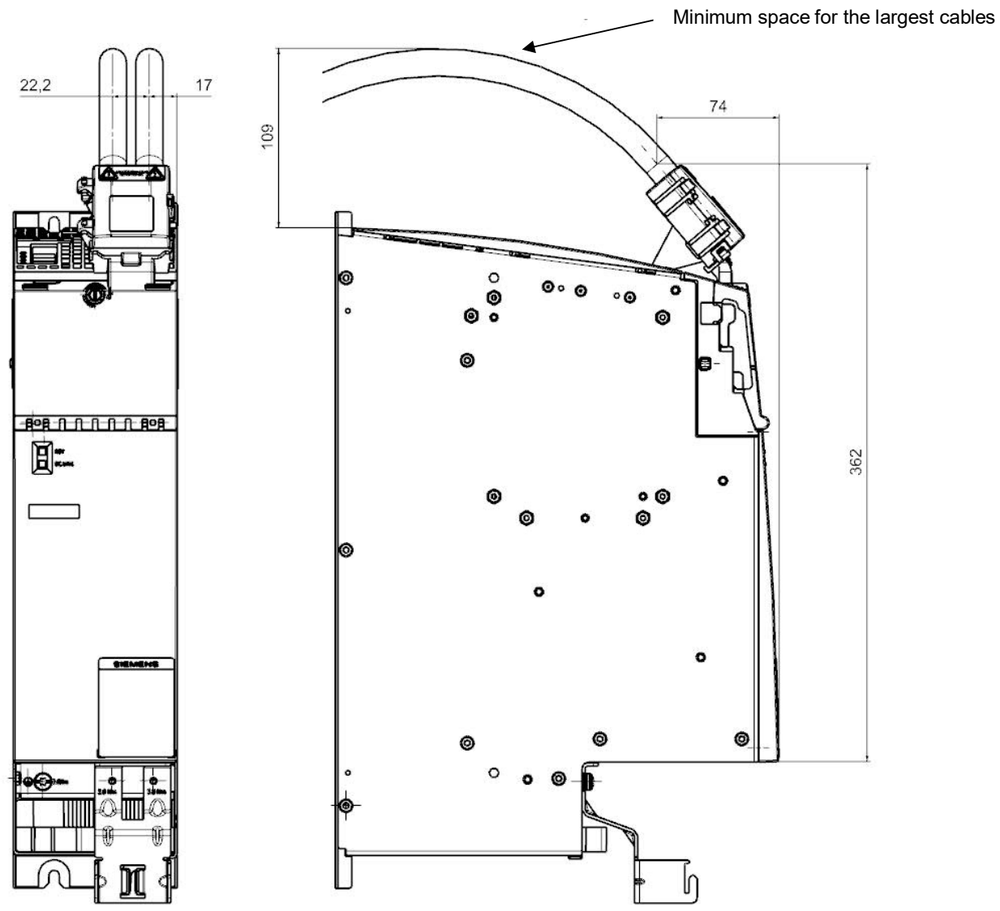
For installations according to North American installation rules, use suitable ZMVV listed ring lugs.

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SIEMENS SINAMICS S120

Dimensions of assembly:



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