3.1.1 DC link (rectifier) adapter

A SINAMICS S120 DC link (rectifier) adapter is required to connect to the DC link of the machine.
This is not included in the scope of delivery of the DLC Storage Unit!

The appropriate DC link adapter must be selected depending on the width of the last Booksize Module (to the far right).

Note

Observe the possible cable cross-sections, e.g. …
- small adapter, maximum 10 mm², or
- large adapter, minimum 35 mm²!

Note

For connecting the DC link (terminal strip -X10), the CMS supports a conductor cross-section of 6..35 mm² (AWG 10..2).

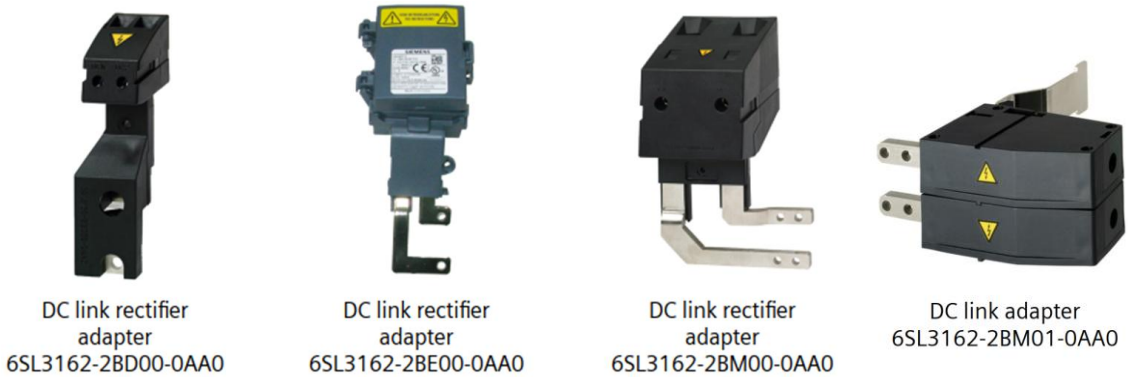
The variants of the DC link adapters available are shown in the following table and diagram. Additional details are provided in the Equipment Manual for SINAMICS S120 Booksize Power Units under Chapter "DC link rectifier adapter for Booksize format".

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Table 3-1: Available DC link (rectifier) adapters - technical data

For the following Booksize modules with the width	DC link (rectifier) adapter, Article number	Current carrying capacity at 55 °C	Connection cross-section (AWG)
50 mm, 100 mm	6SL3162-2BD00-0AA0	43 A	0.5..10 mm² (20..8)
100 mm	6SL3162-2BE00-0AA0	72 A	10..35 mm² (8..2)
150 mm, 200 mm, 300 mm	6SL3162-2BM00-0AA0	200 A	35..120 mm² (2..4/0)
50..100 mm 150..300 mm	6SL3162-2BM01-0AA0	200 A	35..120 mm² (2..4/0)

Fig. 3-1: Available DC link (rectifier) adapters



DC link rectifier adapter 6SL3162-2BD00-0AA0 | DC link rectifier adapter 6SL3162-2BE00-0AA0 | DC link rectifier adapter 6SL3162-2BM00-0AA0 | DC link adapter 6SL3162-2BM01-0AA0

The supply line from the DC link to the DLC Storage Unit must be protected with fuses in DCP and DCN cables. Recommended fuse: SIBA max. 125A (order no.: SIBA: 2071532.125).