

19BGT-2-X8345-12R4-B0-S462

Description

The S462 Power-D-Box Set contains two compact 2U power distribution systems made of aluminium each in an enclosure with anodised front plate. Protection of the loads is by means of hydraulic-magnetic circuit breakers.

- One Power-D-Box (PDB) with offset mounted mounting brackets to allow terminal access also in the event of system expansion
- Redundant design of each PDB with 2 x 6 load outputs, group A and B
- to accommodate plug-in type magnetic-hydraulic circuit breakers such as type 8345-C01A-W0M1-DB1B2B-...max. 80 A (without aux. contact)
- Withdrawal tool for circuit breakers on the inner side of the front plate, 1x available
- Rated voltage DC 24V, 48V, 65V, max. 80 V **negative pole protected**
- Supply connection via rear screw terminals, cross-section 35 - 95 mm², (AWG 2 - AWG 3/0) cable feed from the rear, actuation with hex-wrench from below max. supply current per group 232 A (depending on cable cross section)
- Load connection via rear screw terminals, cross-section 1.0 - 16 mm², (AWG 17 - AWG 5) with wire end ferrule, cable feed from the rear, actuation with screw driver from above max. load current 85 A per way
- terminal marking supply with A+/A- und B+/B- terminal marking loads with A1+/A1- ... A6+/A6- und B1+/B1- ... B6+/B6-
- ground studs M8 per group right and left on the rear
- removable front plate (captive screws), allows plugging in / pulling out of circuit breakers by means of the withdrawal tool even with the system live
- Marking of front plate above the circuit breakers with A1 ... A6 and B1 ... B6
- Marking labels below the circuit breakers for individual marking on white snap-on plastic labels (enclosed for each PDB with 24 blank labels)
- Cover lid and bottom are perforated sheets for optimal ventilation of the Power-D-Box
- Unused holes in the front plate can be closed with plastic blanking pieces (bulk shipped)
- including two installed "Plus / Ground" jumpers per PDB, supply status: **jumper open**
- including mounted cable grip rail
- installation depth 310 mm (including cable grip rail)

- *Circuit breakers are not included in the delivery scope.*

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Schematic diagram

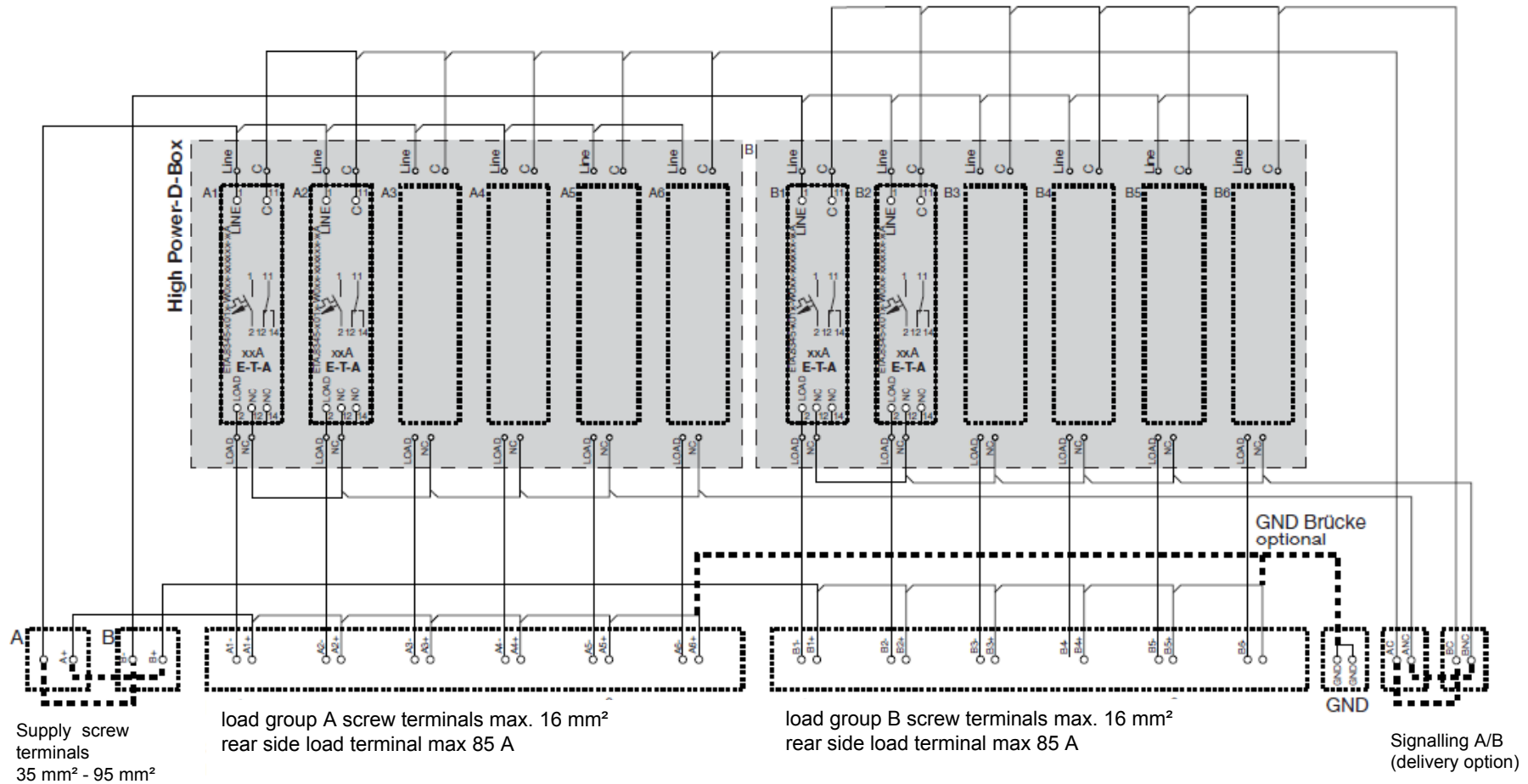


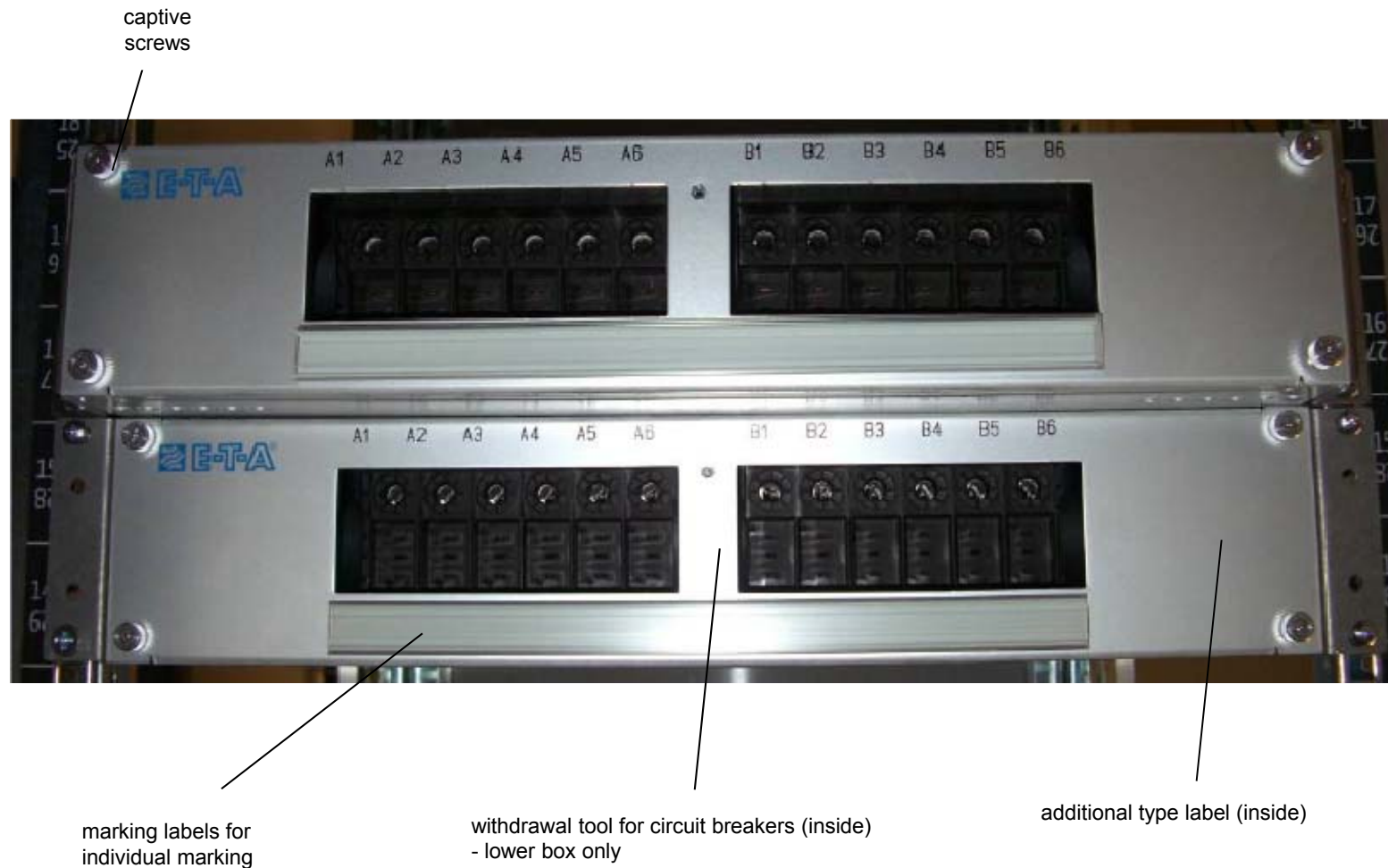
Diagram with order/ delivery options

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Views and installation

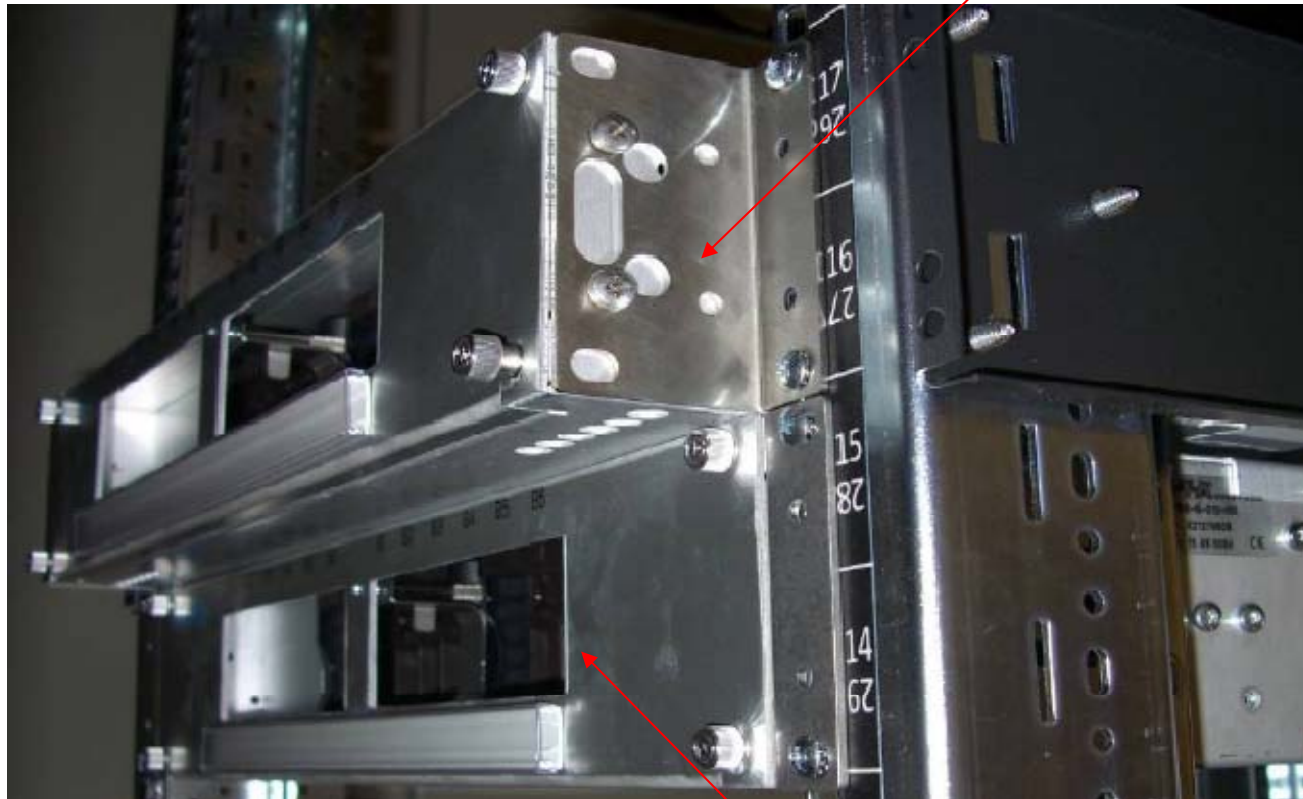
3D front view (closed) / installation position in cabinet on the bottom



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Views and installation

PDB with offset mounting
bracket (installation below)

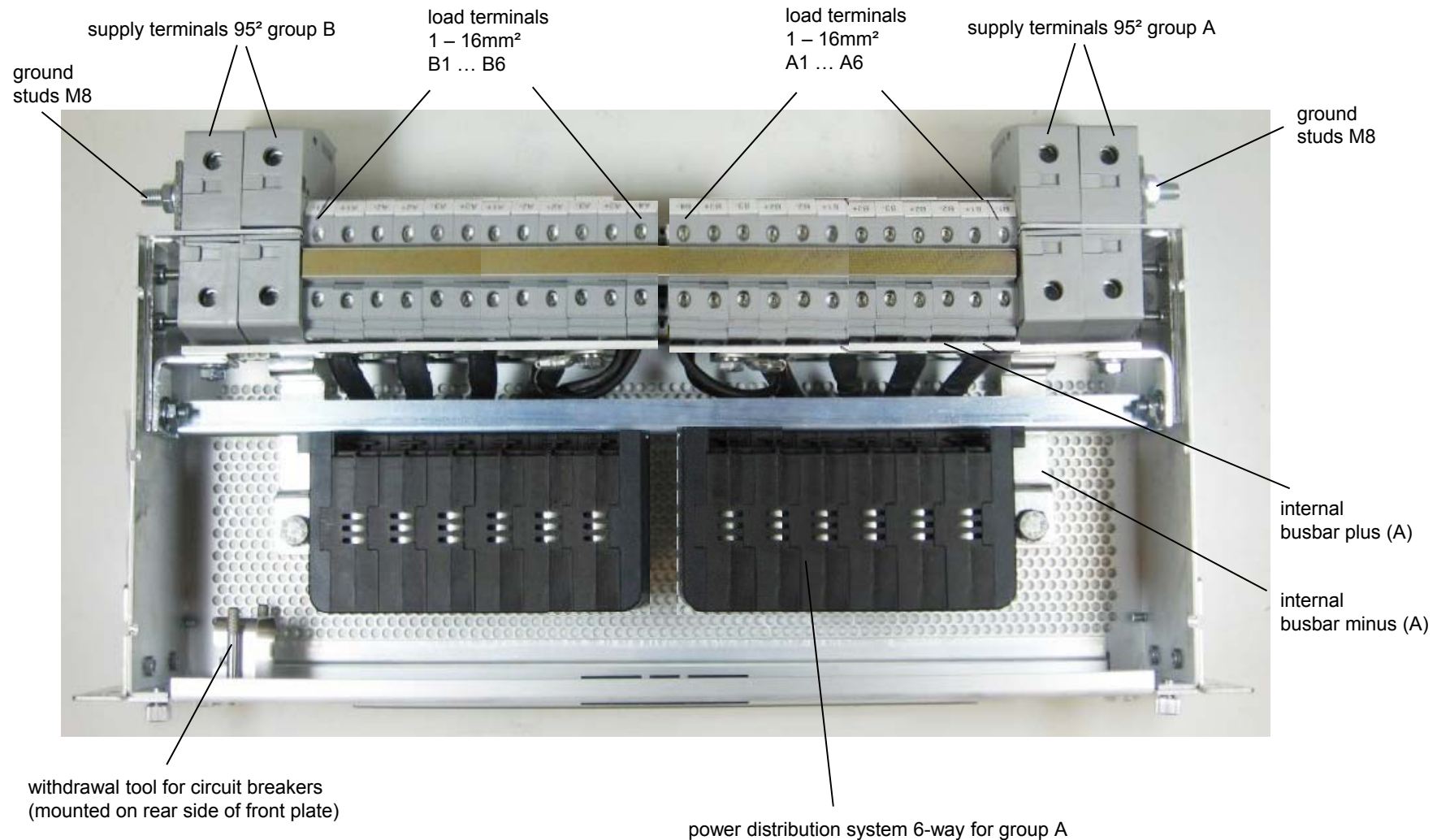


PDB with plane mounting bracket (installation
above)

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Design

Top view (without cover and cable grip rail)



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Option grounding bracket

Grounding bracket

for connection of plus supply with ground

- delivered mounted as – **plus insulated (open)**

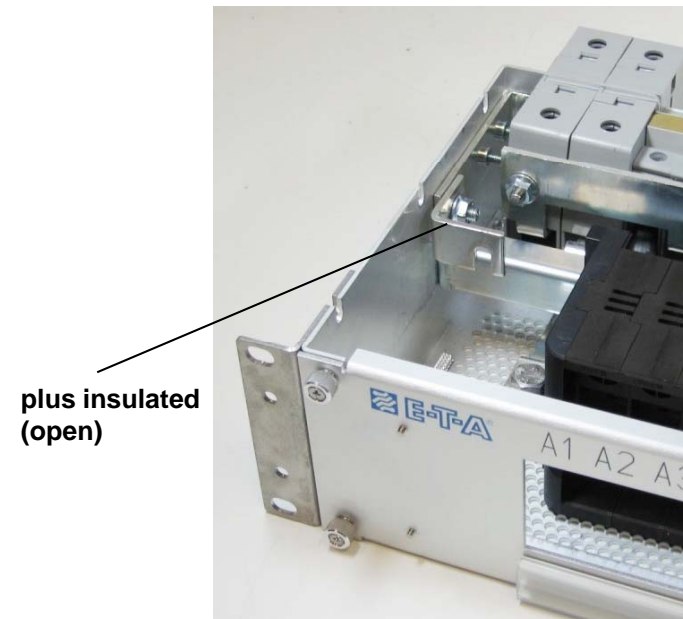
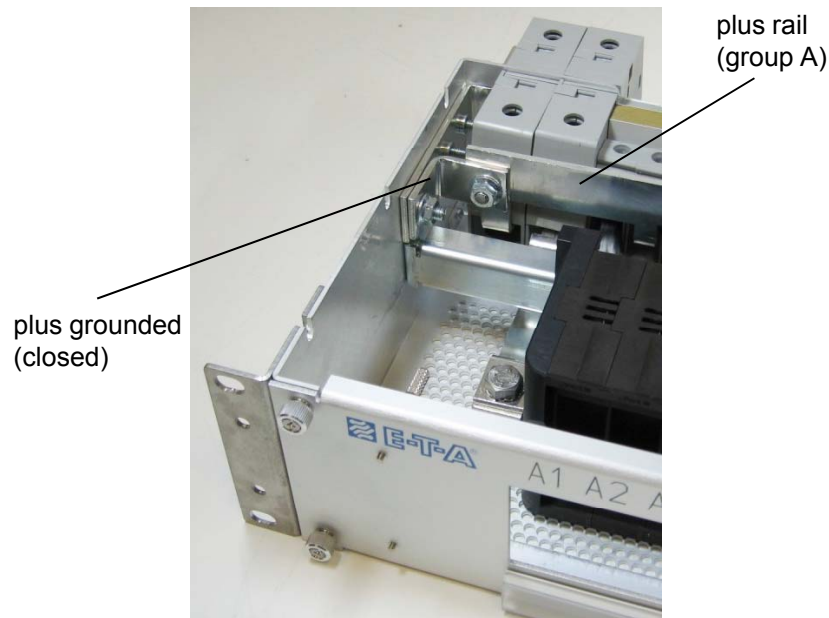
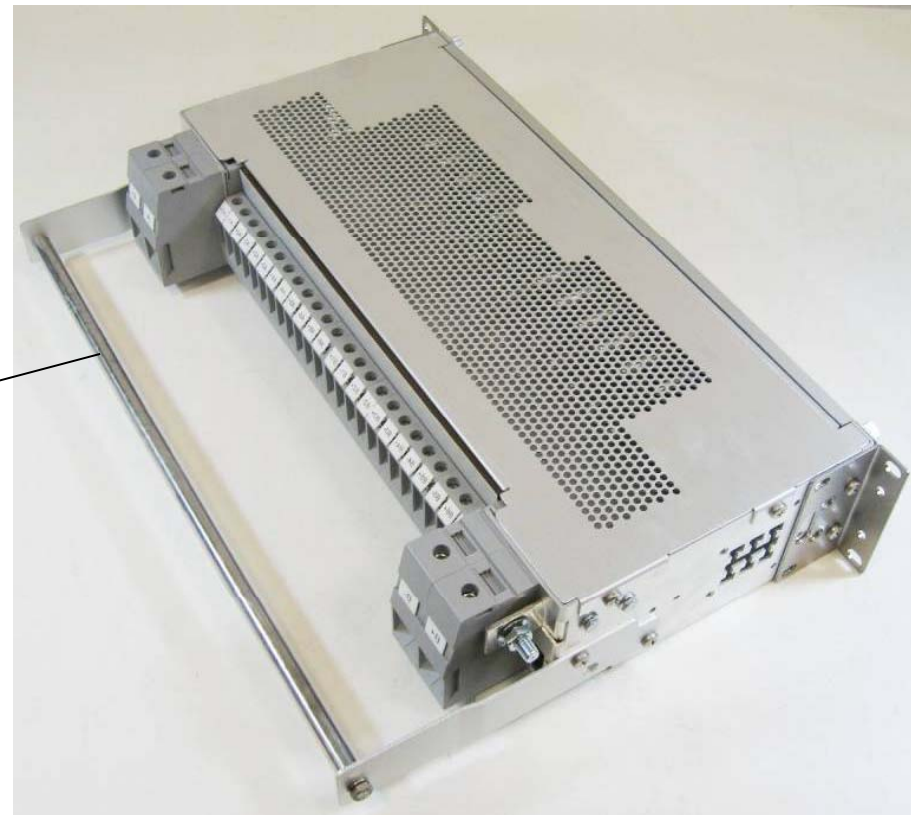


photo shows grounding of group A

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Option cable grip rail



Delivery condition: cable grip rail mounted