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PRODUCT INFORMATION

LV500

High ampacity charging connector
for modern fast chargers



Schaltbau LV500 Series charging connectors assure safe operation and high reliability in the long term.

Delivering maximum performance and working in harsh environmental conditions requires reliable, durable and safe products. It is exactly these requirements that are met by the new Schaltbau charging connector. The low-maintenance and high-performance connector fulfils the expectations of the contemporary user: Modern fast chargers recharge vehicle batteries in short time or traditionally over night.

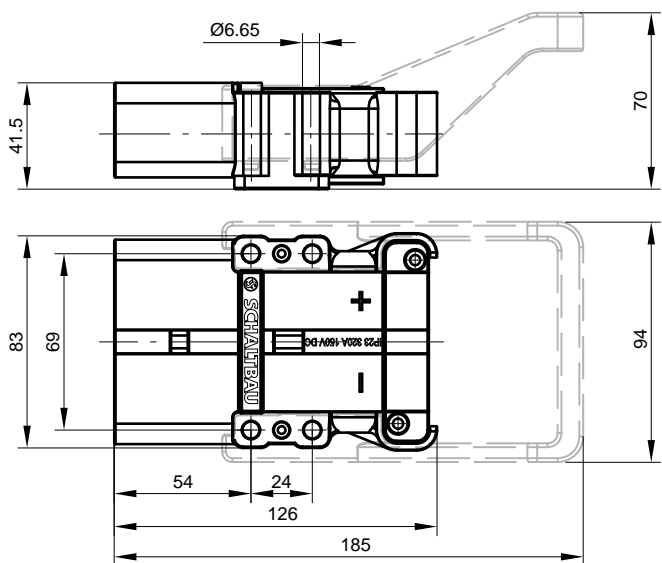
Features:

- **Fast charging:** High-quality, screw-machine contacts carry currents up to 500 A
- **Form stable, glass fibre reinforced shells:** The charging connectors are resistant against mechanical stress, shock and vibration, acids and the extremes of temperature
- **Standard:** Schaltbau LV500 Series charging connectors meet the requirements of UL1977

Application:

The connector is typically used for industrial trucks and lifting devices, vehicle batteries, battery chargers and backup systems of UPS units

Dimension diagram



Dimensions in mm

Specifications

Nominal current	
Main contacts	500 A
Auxiliary contacts	20 A
Rated voltage	150 V DC according to UL583
Terminals	
Main contacts	AWG 4/0 / crimp
Auxiliary contacts	2.5 mm ² / crimp
Number of	
Main contacts	2
Auxiliary contacts	2 + 2
Mating cycles	> 5,000
Shells	High-temperature thermoplastic, acid resistant
Degree of protection (IEC 60529)	IP23 (IPx3 mounted horizontally)
Flammability rating	UL 94-V0
Handles, variants	Plastic, snap-on Plastic, screw-on Metal, screw-on
Temperature	-40° C ... +130° C
Standard	UL1977
Approvals	File E242089