

# MULTILAYER BUSBARS

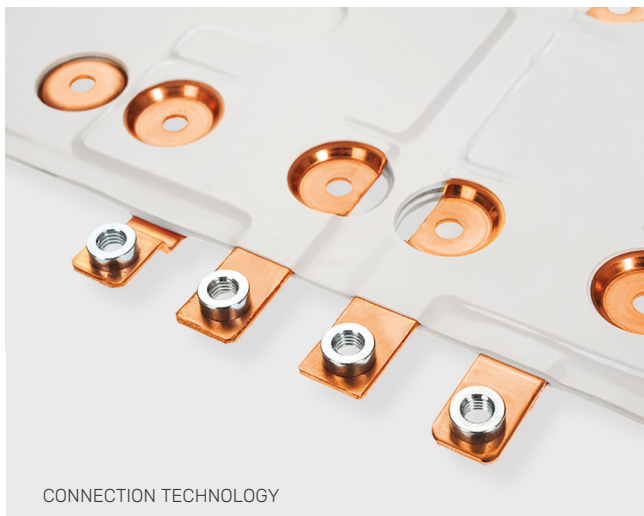
POWER IN CONFINED SPACES



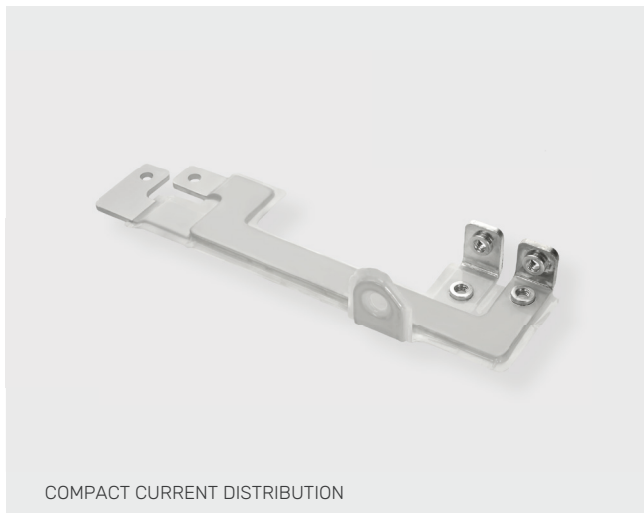
ZOPF

FOR RENEWABLES ENERGY, E-MOBILITY AND HIGH POWER APPLICATIONS

# MULTILAYER BUSBARS



CONNECTION TECHNOLOGY



COMPACT CURRENT DISTRIBUTION

## POWER IN CONFINED SPACES

ZOPF is developing and manufacturing laminated multilayer busbars at our manufacturing site in Germany.

We are experts when it comes to complex, customer specific solutions, where secure electricity connections in confined spaces are required.

## TECHNICAL DESIGNS

The designs are just as varied as the advantages. According to the requirements, they are available as a component with connection technology and/or fitted with electrical components:

From single busbars to pre-assembled modules, e.g. DC-links, capacitor banks or soldering of relays and resistors.

## TECHNICAL DESIGNS

Conductor: copper, aluminium 0.5 - 6 mm

Surfaces: untreated, tin or nickel plated

Insulation film: applied, glued, laminated

Operating conditions: up to 6kV

Temperature range -40 to max. 300°C

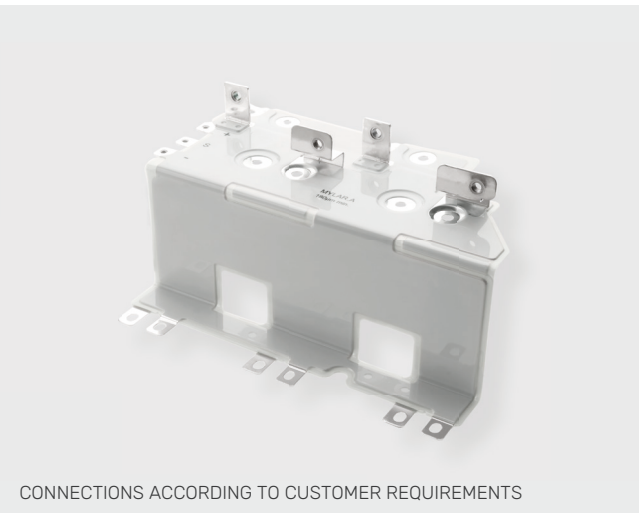
Connection variants with integrated press nuts

Component assembly: soldering of relays & resistors

Manufacturing of complete DC link



MULTILAYER ON VARIOUS LEVELS



CONNECTIONS ACCORDING TO CUSTOMER REQUIREMENTS

### PROTOTYPING & SERIES PRODUCTION

Precise stamped, laser-cutted or milled parts as prototypes or in small series. Design and manufacturing of lamination tools. Production of precisely fitted insulation foils using laser cutting technology. Laminating process in modern heat presses.

Scaling from prototyping over small series to large series by automating the process steps.

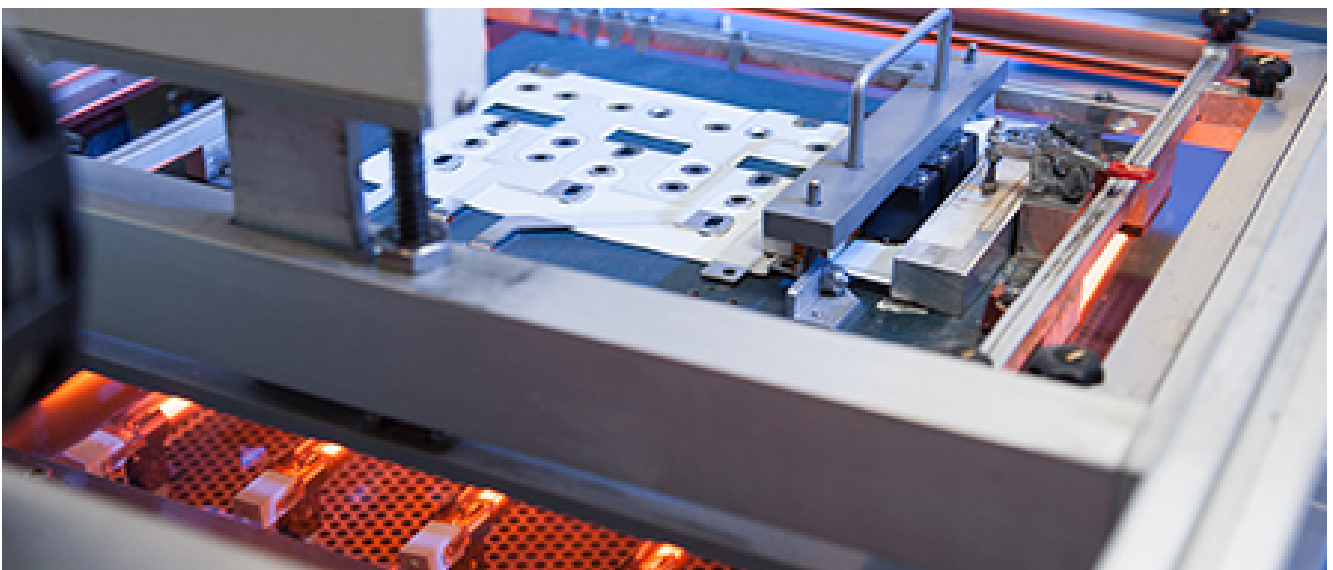
### YOUR BENEFITS

Structured and clean connections

Low inductance

Improved heat dissipation

100% Made in Germany





# Please contact us

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