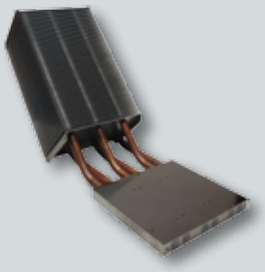
MERSEN

Expertise, our source of energy

SAFETY, RELIABILITY AND PROTECTION FOR TRANSPORTATION INDUSTRY



Serving the Power Electronics Market

- Cooling
- Bus Bars
- Fuses

SOLUTIONS FOR POWER MANAGEMENT FROM MERSEN

TRANSPORTATION: WEIGHT REDUCTION AND ENHANCED PACKAGING

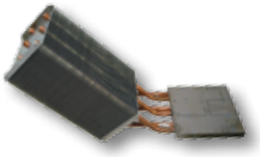
When it comes to cooling, powering or protecting electrical drivetrain and power storage systems in rail and subway vehicles, Mersen brings unique advantages to the transportation industry. We understand the importance of weight reduction and packaging efficiency so that our power management solutions are customized to best serve the exigent needs of the fast growing electric and hybrid transportation market. A properly engineered laminated bus bar provides the lowest overall system inductance and the most balanced and distributed capacitance.

As Silicon Carbide (SiC) technology becomes more and more accepted in transportation industry, all Mersen laminated bus bars models are optimally designed to minimize unwanted “skin effect” resulting from high switching nature of Silicon Carbide (SiC) applications.

Mersen laminated bus bars help transportation equipment manufacturers achieve their reliability goals, thus lowering warranty costs and enhancing customer satisfaction. Our cooling solutions application engineers work closely with our customers form the earliest stage of design, driving towards the most robust and reliable cooling solution in the most compact footprint. Mersen’s market leading range of surge protection devices and semiconductor fuses are built to offerthe highest level of protection against transients and overcurrents that can commonly occur on a electric vehicle drive train and power distribution networks. Some examples of our solutions are:

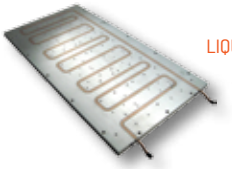
HIGH SPEED TRACTION INVERTER BUS BAR

HEAT PIPE HEAT SINK FOR ELECTRIC TRAIN



DC FUSES FOR PROTECTION OF RAILWAY POWER AND AUXILIARY CIRCUITS

ELECTRIC VEHICLE POWER DISTRIBUTION BUS BAR



LIQUID COOLED AQUASURF® TUBED COLDPLATE WITH COPPER TUBES

HIGH PERFORMANCE SQUARE BODY FUSE

ALTERNATIVE ENERGY

TRANSPORTATION

INDUSTRIAL

DESIGN • SIMULATIONS • TESTING •

MILITARY

SOLUTIONS FOR SiC APPLICATIONS

Mersen is your supplier of choice for power management solutions for various industries. Contact us at ep.mersen.com for more information.

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MERSEN IS A GLOBAL EXPERT IN ELECTRICAL POWER AND ADVANCED MATERIALS

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