

Thermotechnical products and
solutions for track vehicles



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QUALITY THAT MOVES YOU FORWARD

- Extensive product range
- Customer-specific special solutions
- Certified quality management

PIONEERING TECHNOLOGY "MADE IN GERMANY"

Have confidence in reliable products and solutions that have been established for years in international rail transport.



Thermotechnical solutions and products for industrial use on railways and trams

When outside temperatures fall, requirement for track vehicles increase. On the one hand, the function of the safety-related and sometimes sensitive operating technology – for example steps, sand pipes and switchboards – must be guaranteed. On the other hand, the travel temperature must remain at a comfortable level for staff and passengers.

With our extensive product range and customer-specific special solutions, we are making a vital contribution to the technical progress of rail transport. Our international customers also know what they can always rely on: innovative products and solutions based on high quality materials and workmanship.



Side-wall heating for the passenger compartment

- Nominal power: 147 W
- Nominal voltage: 400 V AC
- Test voltage: 4.5 kV DC
- Protection class: IP 67
- Nominal power: 180 W
- Nominal voltage: 230 V AC
- Test voltage: 4.5 kV DC
- Protection class: IP 67



Coupling heating

- Nominal power: 15 W
- Nominal voltage: 110 V
- Test voltage: 4.5 kV DC
- Protection class: IP 67



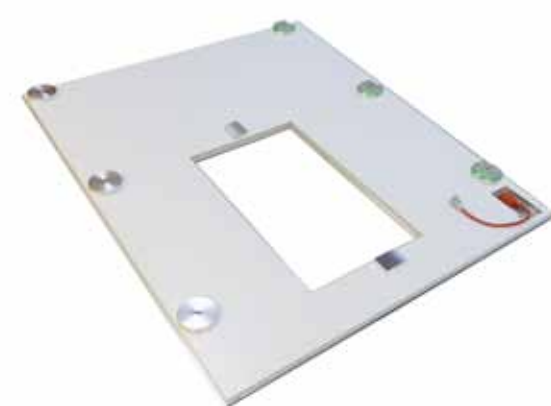
Collar heating

- For couplings, pipes, joints, support cylinders, rechargeable batteries or similar
- Nominal power: as required
- Nominal voltage: 24 to 240 V
- Test voltage: 4.5 kV DC
- Special solutions in accordance with specific requirements



Side-wall heating for the driver's cab

- Nominal power: 100 W
- Nominal voltage: 230 V AC
- Protection class: IP 67
- Test voltage: 4.5 kV DC



Underfloor heating for the driver's cab and the passenger compartment

- Operating voltages up to 700 V possible
- Maintenance-free
- Thawing of the entrance area
- Large-scale, uniform thermal expansion
- Easy assembly due to light weight
- Good soundproofing properties
- Easy to clean
- Protection class: IP 67
- No efficiency losses due to voltage conversion

Heated sand discharge pipe

- Maximum reliability
- Maintenance-free
- Protection class: IP 67
- Working temperature: -40° C to +70° C
- Effective stone chip protection



Heated sand discharge pipe – special solutions

Recess heating for the driver's cab

- Nominal power: 110 W
- Nominal voltage: 110 V DC
- Test voltage: 4.5 kV DC
- Integrated PT 1000 sensor
- Protection class: IP 67



A few references

- Siemens
- Alstom
- Bombardier
- Stadler
- Deutsche Bahn
- ÖBB
- Voith
- Knorr-Bremse
- RCS



Certified quality

The innovative products from elke TECHNIK are the result of intensive research, technology know-how and a high level of aspiration, which allows no room for compromises with respect to quality and reliability. Whether components from our diverse range or customer-specific special solutions: we

work only with high-quality materials and in accordance with internationally certified standards such as VDE and DIN ISO 9001:2008. The result is products that guarantee maximum safety and comfort.



Caption: Certificate for the introduction and use of a quality management system in accordance with DIN ISO 9001:2008.