

**PFISTERER**

Your Power Connection

Rail Solutions  
**Connections That  
Keep Rail Moving.  
Safety You Can Rely On.**



# PFISTERER Across the Entire Rail System

## From Power Transmission to Safety Equipment

PFISTERER provides innovative power connections and safety equipment for railway applications. Our products ensure reliable power transmission, high system availability, and easy maintenance throughout the entire service life.

Learn more



### Applications

- Transformer
- Traction converter
- Battery
- Air-Conditioning system
- Car-to-car connection
- Traction motor
- Ground tap connection
- Safety equipment

## Power Transmission for Modern Railway Vehicles

### PLUG

#### Proven Plug-In System for High-Current Applications up to 4.4 kV

PLUG stands for safe and pluggable high-current connections in railway vehicles. The system enables fast installation, reliable power transmission, and maximum flexibility during installation and service. Successfully established in key international rail, wind power, and industrial markets.

#### Benefits

- Fast and safe installation
- High short-circuit withstand capability
- Long-term contact reliability
- Maintenance-friendly design
- Ideal for battery, HVAC, transformer, converter, motor, and railcar-to-railcar connections



Learn more about our products



NEW

## PLUG P3SC2

### Next-Generation High-Current Connector

The new P3SC2 enables the straight connection of two cables to a single high-performance contact. This allows high currents to be transmitted in a compact space while simplifying the overall system architecture.



#### Benefits

- Higher current-carrying capacity in a compact footprint
- Reduced number of required plug-in connections
- Simplified power distribution without additional distribution boxes
- Space and weight savings for modern vehicle designs
- Flexible integration into a wide range of system architectures



Learn more

NEW

## RAILNEX

### Plug-In Transformer Connection for Modern Railway Vehicles

Based on the proven PFISTERER CONNEX technology, RAILNEX has been specifically developed for railway applications. It provides a reliable transformer connection within the vehicle while meeting the EN 45545 fire protection requirements.



#### Benefits

- Easy and flexible installation through a plug-in design
- Rotatable bell flange enables torsion-free cable installation
- Compensation of temperature-related material expansion and contraction for long-term insulation reliability
- Fully enclosed and touch-safe
- Suitable for transformer interfaces and rooftop installations
- Specifically developed and qualified for railway vehicle applications

## Simple and Safe Earthing Along the Railway Line

### RSC-T Ground Tap Connector

The RSC-T ground tap connector enables the fast and reliable implementation of earthing connections for new construction, expansion, and maintenance projects in railway networks.



#### Benefits

- Reliable connection of grounding and branch conductors
- No interruption of the main conductor required
- Fast installation and commissioning
- Easy integration into existing systems
- Maximum safety during construction and maintenance activities



Learn more



### PLUG

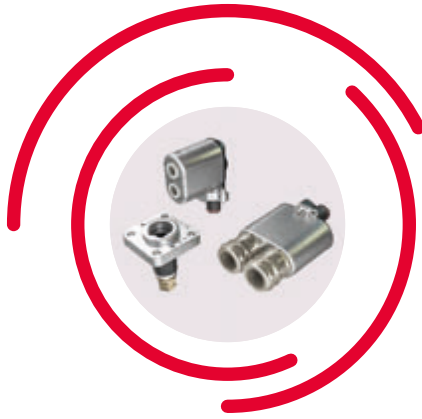
Plug-in system for high-current applications up to 4.4 kV and 1,250 A



### RAILNEX

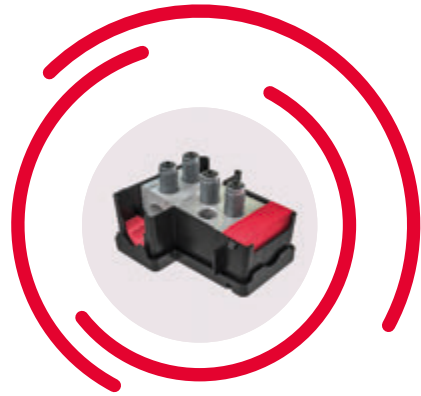
15 kV / 25 kV plug-in transformer connection





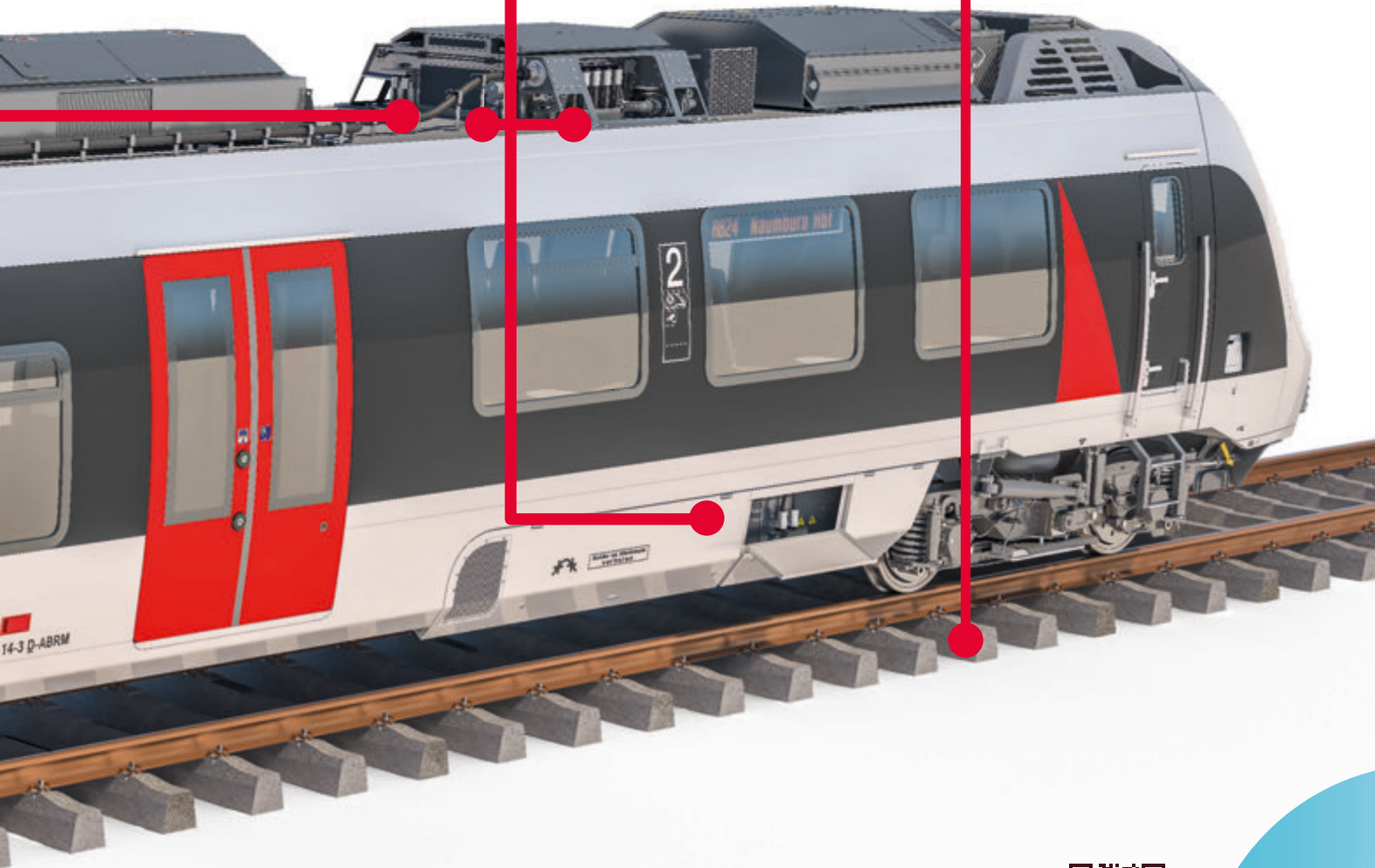
#### PLUG

Single-pole high-performance connector with dual-cable connection up to 4.4 kV / 1,250 A



#### RSC-T

Ground tap connector for fast installation and commissioning



Explore our solutions



# Safety Equipment

## Working on Live Systems? Only Safely.

### Benefits

- Maximum personnel safety
- Standards-compliant solutions for rail operations
- Robust design for demanding operating conditions
- High infrastructure availability
- Support for operation, maintenance, and service

### Product Categories

- Voltage Detectors
- Earthing and short-circuiting equipment
- Earthing and operating poles
- Accessories and services

Learn more about  
our products

