



## RSC-T

Ground tap connector with SICON piercing technology

# RSC-T

## Simple and Secure Grounding on Railroads

To protect both people and the environment, any metallic components alongside electrified rail tracks must be grounded. This applies not only to catenary pylons, but also to signaling systems, bridge railings, fences, etc. PFISTERER has now developed the RSC-T – a simple, safe, and reliable solution that saves a great deal of time in comparison with established practice. The RSC-T combines almost 100 years of contact technology experience at PFISTERER with its expertise as a "full-service provider" in the field of rail infrastructure.



A smart but simple solution to grounding problems. The RSC-T can be integrated into an existing system without any problems, saving up to 50% of installation time.

### Installation up to 50% Faster

Using insulation piercing technology, main and tap cables are installed without having to strip the insulation. The compression of grounding and tap cables that was previously used, as well as the restoration of the insulation with a heat-shrink sleeve, is no longer necessary. The plastic enclosure with its seals guarantees electric shock protection in accordance with IP1X.



### Simple Installation in the Existing system

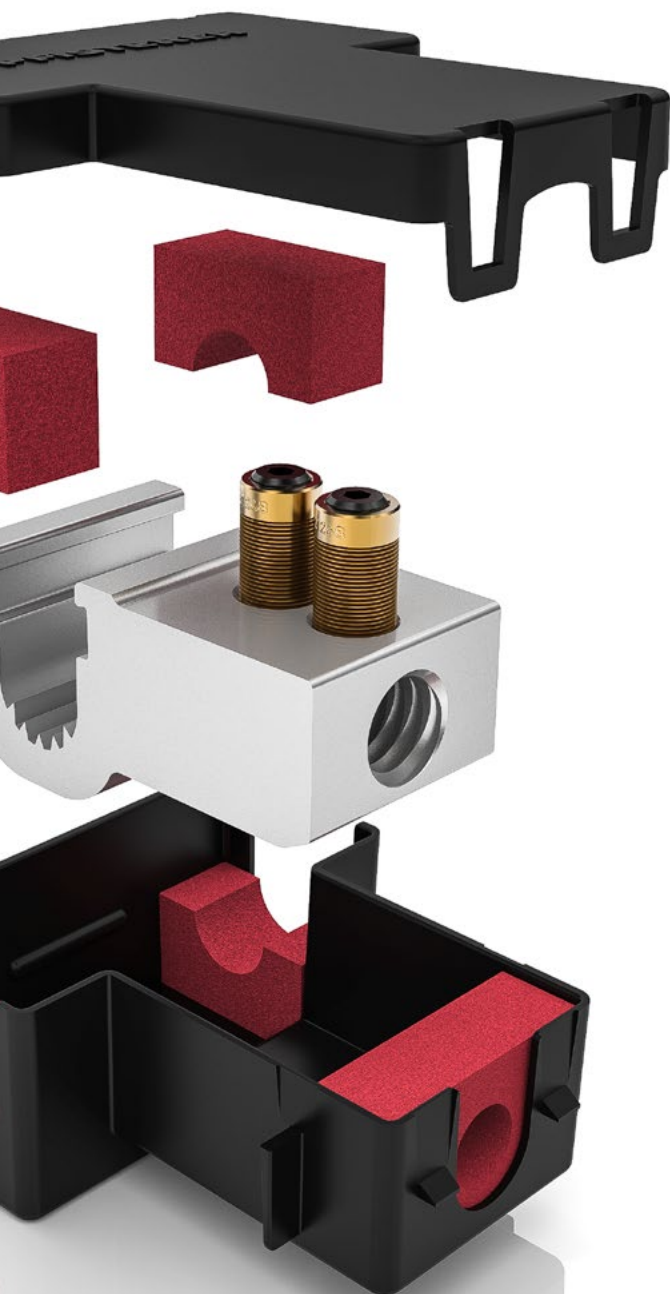
The RSC-T ground tap connector comprises several parts and can be mounted directly onto an existing system. The ground cable is laid in place without any preparatory work and enclosed by the connector using a locking bolt. The SICON piercing bolts penetrate the insulation to establish safe and reliable contact with the ground conductor. Any possible damage to the metallic conductor is avoided by means of the proven SICON technology.

### RSC-T Customized

PFISTERER also manufactures RSC-T ground tap connectors to meet individual customer requirements. Our experts will carry out all the necessary consultation, dimensioning, engineering, pilot production, testing, and series production.

## Patented Contact Technology

The bolts of the RSC-T are based on the proven SICON technology. The patented shear bolt has a stepless construction and utilizes the full load capacity of the thread at all times. The friction disc at the end of the bolt prevents the metal conductor from being damaged. For the RSC-T, the proven SICON bolt has been further developed and equipped with a friction disc which features insulation-piercing technology. This establishes a reliable contact with optimum contact force. The SICON bolt is installed using a standard tool and gently shears off on successful installation.



The RSC-T is the safe and reliable grounding solution for new and upgraded sections of track.

### Benefits

- Reliable contact between grounding and tap connector
- Compatible with anti-theft cables
- No interruption of the main conductor
- Shock-proof in accordance with IP1X
- No open blade for installation
- Saves up to 50% of installation time
- No flame on the track

### RSC-T in Numbers

- Conductor cross-section
  - Ground or main conductor: 265.8 mm<sup>2</sup> \*
  - Tap conductor: 157.5 mm<sup>2</sup> \*
- Conductor material: copper, aluminum
- Dimensions: 150 × 130 × 60.5 (L × W × H in mm)
- Weight: 1.15 kg

**\* Other conductor cross-sections available on request**



For the protection of people and the environment:  
All metallic parts alongside an electrified rail track must be grounded.

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