

Declaration of Parameters

Switch Point Heating Clips for Heating Elements

Made by SAN Electro Heat

Your ref.: FRIS

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Technical Document

**Switch Point Heating Clips
Rail R50 + R65**

1. CLIPS

Type of Clips

The Wrap-around spring clips. Easy to mount by hand and a rubber hammer. Easily removed using a screwdriver or the like.

Rail

For rail R50 and R65

Reference

These clips has been in use for more than 30 years and are installed on same or similar rails by more than a million pieces. Installed in most "cold" European state railways.

2. DESIGN

Design

The clips design is made so it will not move along the rail and it will not fall off during normal or high speed train operation of the track. The clips will (mounted correctly) stand the vibrations and the environment at a railway line without corrosion

Material

Stainless steel – 30 mm wide, 1,2 mm thicknes. Thermo treaded for correct spring force. The heat from the heating element will not change the shape and the spring force.

Spring force

The spring clips is made to press the element to the rail to secure thermal contact. The force will not be so strong that it is working as a fixation. The heating element must be able to move horrisontically under the clips due to the thermodynamic forces when the element is expanding and contracting as it gets hot and cold.

Shape stability

Each clips design is made so the clips can be removed and reinstalled more than 5 times with out changing shape and performance.

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