eltherm®

At a Glance

Applications

Freeze prevention

Railway

- Rail heating

Benefits

- Lowest possible number of power supply points
- Continuous heat transfer
- Resistant to moisture
- Additional protection against aggressive substances
- Suited for stock rails, switch points and power rails
- Robust design
- Optimised heat transfer
- Fast, simple assembly
- Low maintenance effort

EL-Rail
up to 150 °C

1	**Bus wire**	Copper, nickel plated
2	**Insulation**	Fluoropolymer
3	**Outer jacket**	Silicone

Heater in accordance with the specifications of EN 62395-1, but without proctective conductor due to connection typicals in rail networks.

Checklist EL-Rail

Power Connection & Termination

ELVB-EL-Rail	Connecting set, 2 pole 16 AWG 6R	091RA02
ELVB-EL-Rail	Termination set, 2 pole 16 AWG 6R	091RE02
ELVB-EL-Rail	Universal set for one power connection or termination 2 pole 16 AWG in 6R or 3P2R	091RUNI

Holding Brackets

ELFC	Holding bracket UIC60 SFK EL-Point/Rail for flat cover profile	4027000103
ELFC	Holding bracket S54 SFK EL-Point/Rail for flat cover profile	27230RS540
ELFC	Holding bracket S49 SFK EL-Point/Rail for flat cover profile	27230RS490

Cover Profile

ELCP-F	EL-Rail cover profile	4027000002

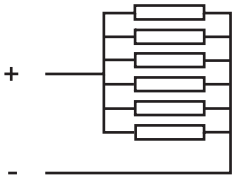
eltherm®

Technical Information

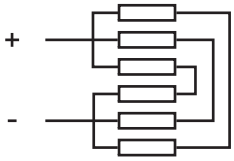
Max. maintain temperature	50 °C
Max. exposure temperature (de-energized)	150 °C
Maximum nominal voltage	1000 V
Minimum bending radius	2" / 50 mm
Power output	50 - 150 W/m
Dimensions	8 x 34 mm
Minimum installation temperature	– 40 °C

Connection Options

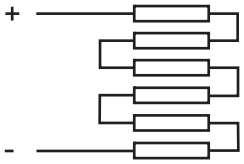
› 6 Parallel



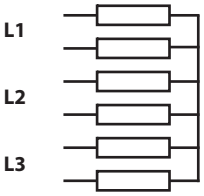
› 3 Parallel 2 Rows

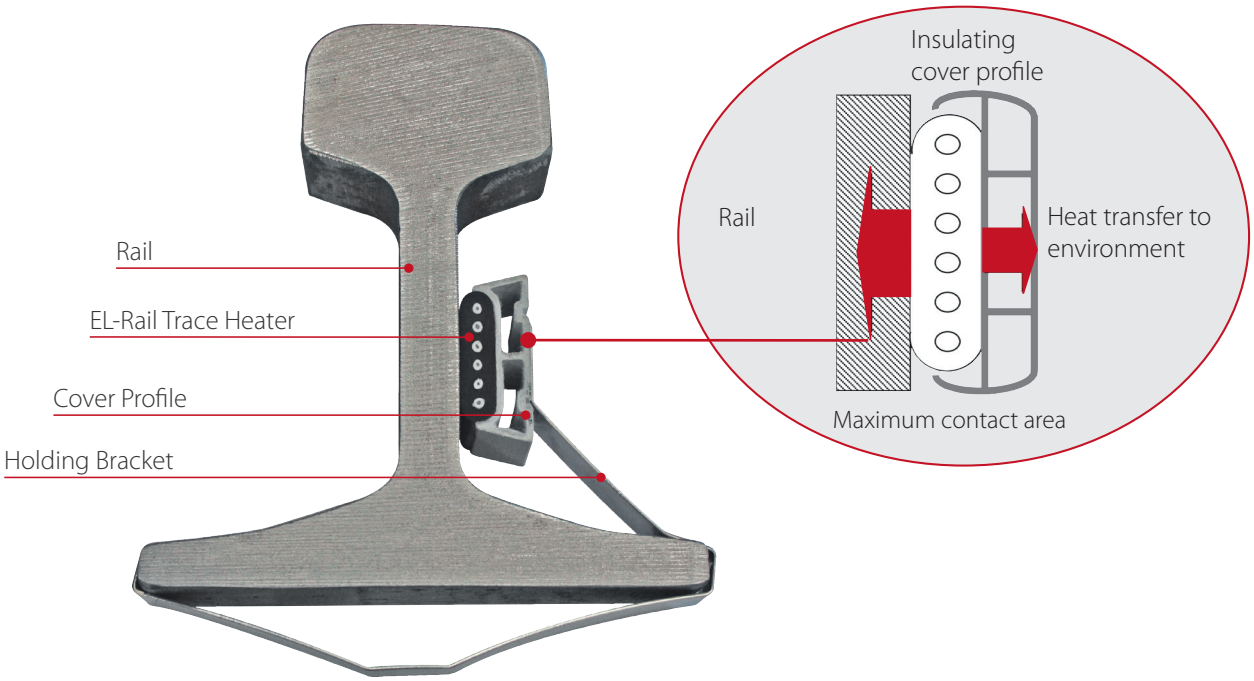


› 6 Rows



› Star





Additional power outputs and custom-designed holding brackets on request!