



RailSWing DT 075 F

Impedance bond

- Ecological product
- High mechanical and climatic resistance
- Upgrade of older types of impedance bonds
- Weight reduction
- Easy installation
- Easy maintenance
- Reduction of losses in reverse traction path



GENERAL DESCRIPTION

Impedance bond RailSWing DT 075 F (further DT 075 F) is a part of double rail track circuit system. DT 075 F is designed for tracks electrified with 3 kV DC catenary voltage, 25 kV, 50 Hz single-phase catenary voltage and for tracks without catenary.

DT 075 F enables transmission of reverse traction, heating or auxiliary currents over the insulated joints from one track section to the adjacent track section.

DT 075 F secures function of track circuits supplied or coded by signal current with frequency between 25 Hz and 400 Hz.

DT 075 F has reduced resistance of main coil causing decrease of losses in reverse traction path. DT 075 F enables operation of high-efficiency modern locos (or multiple active locos) under 3 kV DC catenary voltage.

BASIC TECHNICAL DESCRIPTION

DT 075 F consists of moulded plastic housing filled by polyurethane sealing compound with increased heat conductivity.

DT 075 F consists of the main and supplementary coil slipped over the magnetic circuit formed by two C magnetic cores.

Up to three signal cables can be connected to the terminal box.

The bottom of housing has footings with holes designed to mount DT 075 F to the base prefabricated slab.





BASIC TECHNICAL PARAMETERS

Transformer ratio	21 or 42
DC current of the main coil – permanent	2 × 800 A
DC current of the main coil – for 3,5 hours	2 × 1000 A
Signal current of supplementary coil	max. 2,5 A
Total no-load impedance of the main coil without bias at 5 V / 275 Hz	0,71 Ω to 0,78 Ω
Insulation resistance	min. 1 MΩ
Electric strength	4000 V
Cover rating	IP 54
Temperature range	-40 °C to +70 °C
Weight	61 kg

