



RailSWing DT 075 E

Impedance bond

- Ecological product
- High mechanical and climatic resistance
- Upgrade of older types of impedance bonds
- Weight reduction
- Easy installation
- Easy maintenance



GENERAL DESCRIPTION

Impedance bond RailSWing DT 075 E (further DT 075 E) is a part of double rail track circuit system. DT 075 E 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 E enables transmission of reverse traction, heating or auxiliary currents over the insulated joints from one track section to the adjacent track section.

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

BASIC TECHNICAL DESCRIPTION

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

DT 075 E 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 E to the base prefabricated slab.





BASIC TECHNICAL PARAMETERS

Transformer ratio		21 or 42
DC current of the main coil		2 × 500 A
AC current of the main coil		2 × 450 A
Signal current of supplementary coil		2,5 A
Total no-load impedance of the main coil without bias	at 5 V, 275 Hz	0,71 to 0,78 Ω
	at 1 V, 275 Hz	0,68 to 0,73 Ω
Insulation resistance		min. 7 MΩ
Electric strength		4000 V
Cover rating		IP 54
Temperature range		-40 °C to +70 °C
Weight		53 kg

