



ELPOM



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SHUNTING SET BS 27,5 kV type 153025

User manual

General description:

The shunting set BS is designed for the safety conductive connection of conductive parts of an insulated work platform with a traction line (catenary). Furthermore, it is designed for the safety interconnection of electrical sectioning of a catenary of a DC voltage system up to 3 kV or a single-phase traction system 25 kV (50 Hz). The line clamp is designed for a contact wire of 80–150 mm².

For the conductive connection of the contact wire with the insulated work platform, a cable with a cross-section of 50 mm² is designed.

For the conductive interconnection of the electrical sectioning, a cable with a cross-section of 95 mm² is designed.

Important warning:

1. The shunting set must be used in accordance with PNE 330000-6, CSN EN 50110-1 and other local operating regulations in force.
2. When working with the shunting set, it is necessary to use the prescribed personal protective equipment.
3. The bshunting set is fitted for both out-and-indoors usages at conventional atmospheric conditions (temperature range from –25 °C to +55 °C). It must not be used in rain, snow and fog.

Direction for use:

The conductive connection or safety connection is performed by placing the self-locking conductive clamp on the contact wire by using an insulating stick. Tightening of the line clamp to the contact wire is performed by turning the insulating stick by 180° counter-clockwise. The contact force of the clamp to the contact wire is ensured by a spring. The release of the line clamp is performed again by turning the insulating stick by another 180° counter-clockwise.

When manipulating, the insulating stick must be held by the handle which is defined by a protective collar and a plug.

Maintenance instructions:

The shunting sets must be kept in good technical condition. During storage, it is necessary to ensure to avoid getting wet of the cables. Before each use, it is necessary to perform a visual inspection of the shunting set and at least once a year a thorough inspection of the sets, including cleaning and tightening of all connection points. If any defect is found during these inspections (damaged insulation, deformation, etc.), the shunting set must be taken out of use. Also, the shunting set exposed to the effects of short-circuit current must be taken out of use, except where it is clearly proved (by examining, calculation) that it could not be damaged. Damaged shunting set we recommend to send to the manufacturer for repair.

Testing:

Testing is performed according to PNE 35 9700 and PNE 35 9705. Before dispatching, each shunting set is subjected to a routine test in the manufacturing plant. The date of the test and the number of the authorized testing laboratory are marked on the label.

Packing:

The shunting set is standardly delivered without case. The User's Manual as well as a letter of warranty are enclosed as a part of each product.

Storage:

The product must be stored in dry rooms where it cannot be mechanically damaged.

Warranty:

This product is provided with a warranty for the period specified in the letter of warranty. The warranty covers defects provably caused by the manufacturer. Defects caused by unprofessional manipulation and/or inappropriate storage conditions are not covered by this warranty.

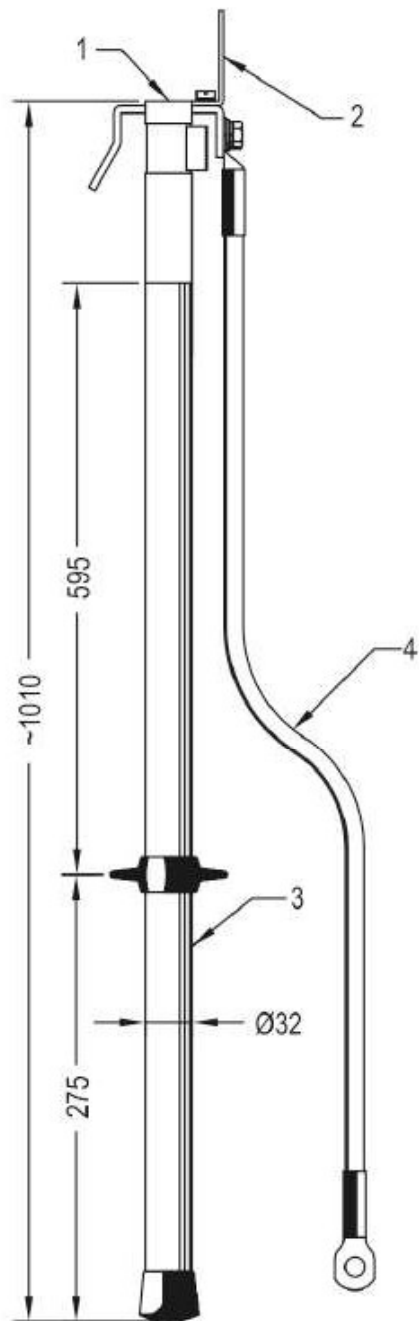




SHUNTING SET BS

type 153 025

Shunting set BS is designed to create safety conductive connection of conductive parts of insulated working platform with contact line or to create safety switch-over of electric split of the contact line.



- 1 - Conductor clamp
- 2 - Testing point
- 3 - Insulating rod
- 4 - Interconnection rope

SPECIFICATION

Attachable to:

- trolley conductor 80-150 mm²
- satisfy TNŽ 359708, ČSN EN 61230

Nominal voltage of device

Current capacity

Short-circuit resistance

Rope's cross-section

Rope's length

Weight

27,5 kV

800 A/10 min

10 kA/ 1 sec; 5 kA/ 5 sec

50 mm²

1 350 mm

2,1 kg

