

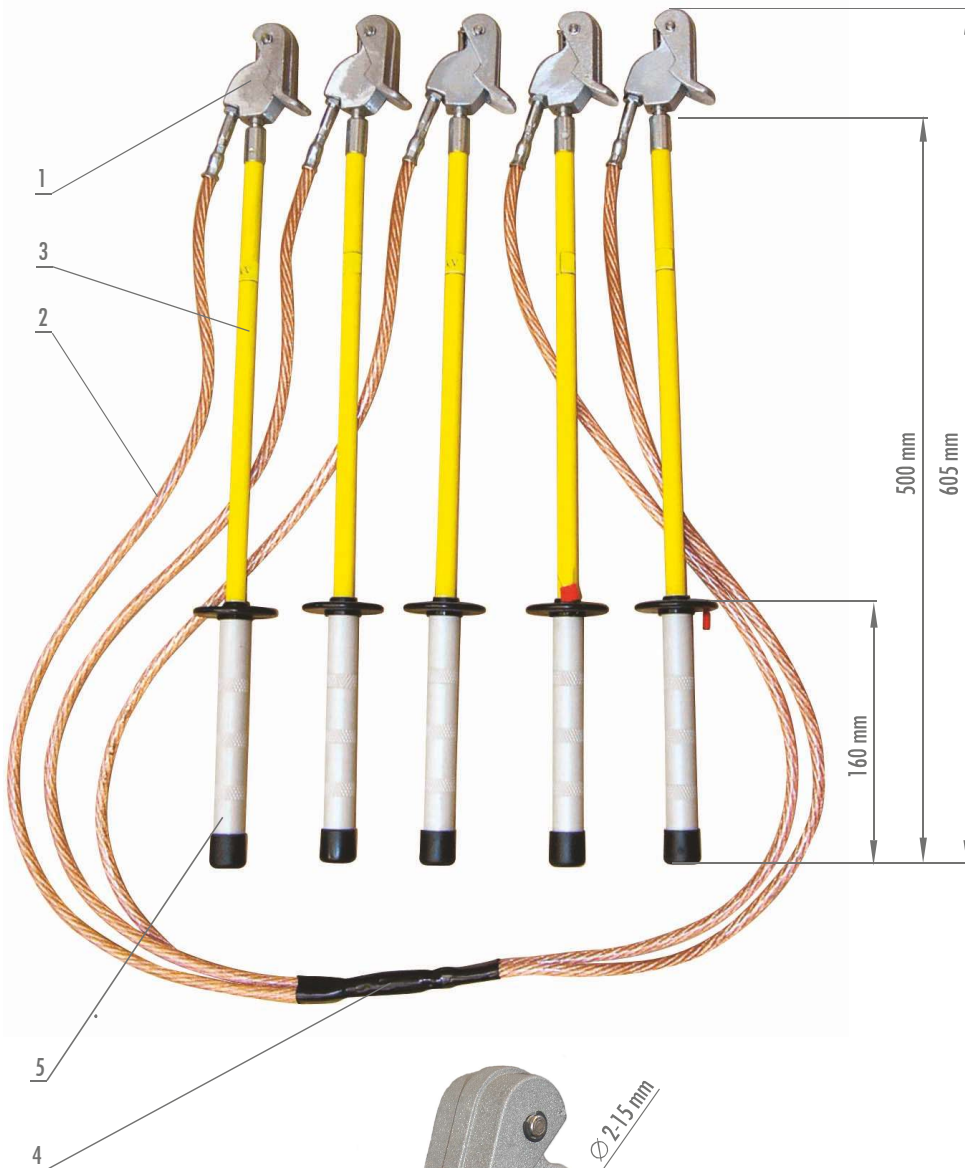
SHORT-CIRCUITING (EARTHING) EQUIPMENT LV 1 kV

on the conductor
of circular cross section

TYPE 800.0010

General Information

Short-circuiting (earthing) set is designed for short-circuit making and earthing of the circuit in networks with an earthed or insulated node of the nominal voltage of up to 1000 V. The short-circuiting set consists of five insulating poles ended with revolving conductor clamps connected by Cu cables in the transparent insulation. Conductor clamps serve to connect the set on the conductor of circular cross section. Insulating pole is made of glass-fabric laminate which is suitable for its high electrical and mechanical resistance and stability. It fulfills the requirements on the protection equipment for outdoor use. The set is determined for indoor use, as well as for outdoor use under normal climatic conditions. The handle is provided with the protecting ring (hand guard). Short-circuiting set complies with standards ČSN EN 61230 ed.2, IEC 61230, DIN 46235. It is possible to modify the model at the custom's request.



- 1 - conductor clamp
- 2 - short-circuiting Cu cable
- 3 - insulating pole
- 4 - insulated knot
- 5 - handle and hand guard

conductor clamp 800.011

Technical Data

Climatic group	normal from -25 to +55 °C	Pole material	glass-fabric laminate for outdoor use
Diameter of short-circuited conductor	2-15 mm	Cross section of cable	16 mm ²
Rated short-time withstanding current	3 kA/1 s	Length of cable	5x800 mm
Length of pole	500 mm	Tightening of clamps	4 Nm
Length of handle	160 mm	Weight of equipment	3.5 kg
Pole diameter	13 mm		

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LV 1 kV

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100

100

800.00

800.00

2.0

800.00

800.00

800.00

800.00

3.0

TYPE

TYPE

4.0

TYPE

5.0

Directions for use

The part that shall to short-circuited must be without the tension. It is certainly determined by the voltage detector.

The short-circuiting equipment is fixed in this way:

- 1) fix one of five insulating poles ended with the conductor clamp to the protective earth conductor
- 2) rotate the insulating pole (while holding the clamp) until the clamp jaws open according to the diameter of the short-circuited conductor
- 3) put the conductor clamp on the conductor of circular cross section
- 4) rotate reverse by the insulating pole to constriction of the clamp
- 5) fix the other four poles to the single conductors
- 6) the sequence is reverse during the disconnecting of the clamps

Make sure the clamp is tightened properly. The tightening torque must not exceed 4 Nm.

The short-circuiting set should only be used on electrical facilities with nominal voltage for which it is designed.

The instructions for use should be incorporated into the local operating and safety regulations.

The set may only be used by qualified personnel.

Instructions for current maintenance

The set must be kept in good technical condition. Make sure that the set is stored in the way to keep it dry and to prevent any mechanical damage. Perform a visual check before each use. At least once a year, it is necessary to perform a thorough check of the whole set, including cleaning and tightening all the connecting points.

For common cleaning of the poles use damp cloth, for more resistance dirt use technical alcohol. Do not use any organic solvents or any substances which may have a decolorizing effect.

!!! The set must be eliminated or proved again its right funkcionality, when a short-circuiting current has already gone through short-circuiting current !!!

Testing

The set is type-tested according to valid standards by the authorised laboratory. Each set is separately tested piece by piece before expedition and labeled too. The label includes the test date (quarter/year) and the number of the authorised laboratory.

Packing

The cables with clamps are supplied in a water-resistant carry bag. The insulating poles are wrapped in a transparent plastic foil. There is enclosed the function description and the directions for use, the Certificate about quality and completeness of product and product test.

Guarantee

The guarantee period is 24 months long and starts on the day the product is delivered to the customer. It applies to any defects probably caused by the manufacture. The guarantee does not cover any defects resulting from improper use, unprofessional handling, or unsuitable storing.