

SHORT-CIRCUITING (EARTHING) SET LV 1 kV

for fuse outlet

Model

801.001 - P

801.001 - P,I

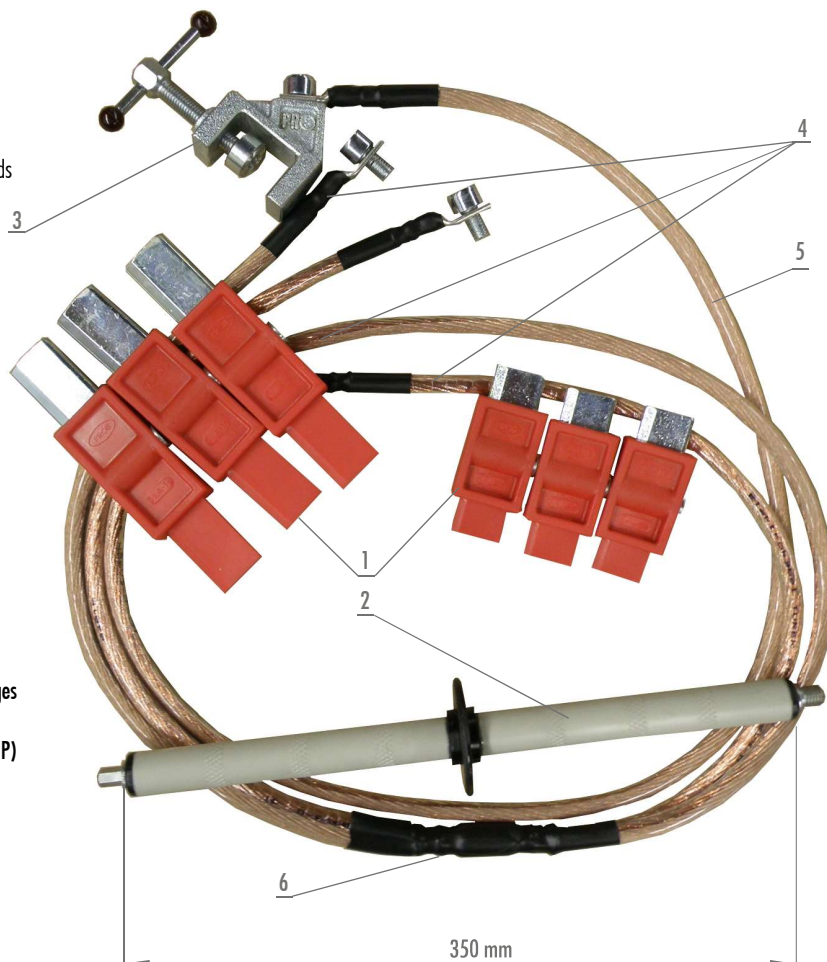
801.001 - P,I,ST2

TYPE 801.001.00

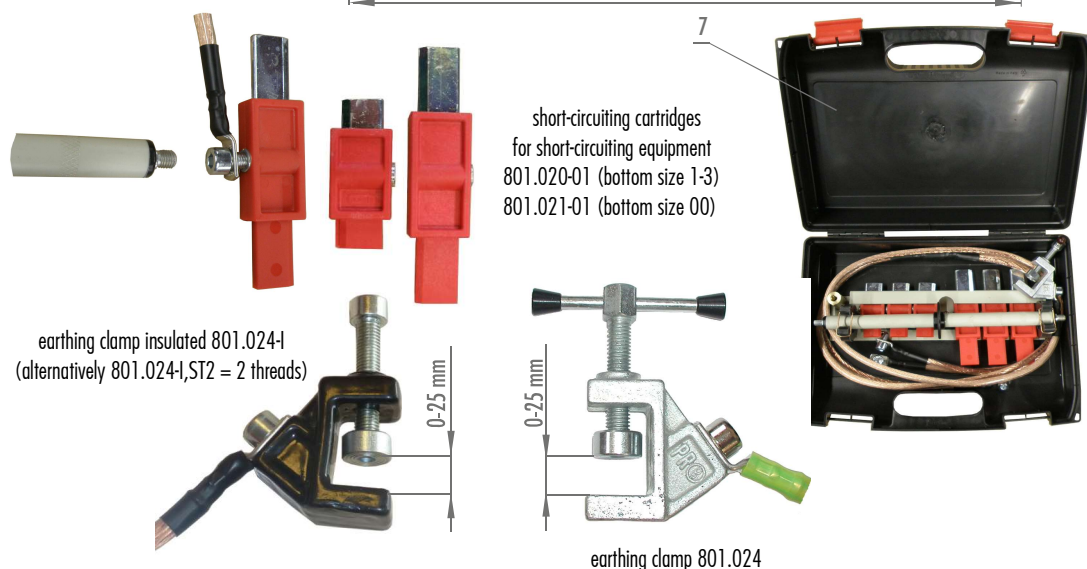
General Information

Short-circuiting (earthing) set serves for short-circuit making and earthing of low voltage (up to 1 kV) three phasing fuse outlets consisted of the fuse bottoms, fuse switch off points and fillets. The set consists of short-circuiting cartridges, short-circuiting Cu cables in transparent insulation, earthing Cu cable, earthing clamp and insulating pole that enables to safely attach the short-circuiting set. 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. Short-circuiting set complies with standards ČSN EN 61230 ed.2, IEC 1230, DIN 46 235. The set is possible to produced with insulated earthing clamp or insulated earthing clamp with two threads for mounting at different angles.

earthing clamp 801.024
can be supplied:
insulated clamp
for model 801.001-P,I
(see below) or
insulated clamp with two threads
for model 801.001-P,I,ST2



- 1 - short-circuiting cartridges (red or black)
- 2 - insulating pole (model P)
- 3 - earthing clamp
- 4 - short-circuit cable
- 5 - earthing cable
- 6 - insulated knot
- 7 - plastic bag



Technical Data

Climatic group	normal from -25 to +55 °C	Pole material	glass-fabric laminate for outdoor use
Rated short-time withstanding current	6 kA/1 s	Cross section of cable	25 mm ² short-circuiting 25 mm ² earthing
Length of pole	350 mm	Length of cable	500 mm short-circuiting 1500 mm earthing
Length of handle	160 mm	Weight of equipment	4.5 kg
Equipment versions	801.001 - P (with insulating pole) - H (with fuse handle)		

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1.0 Directions for use

- 1) fix the earthing clamp with a screw to the earthing conductor or a metallic grounded structure
- 2) remove fuse cartridges from the fuse outlet that you want to short-circuit and replace them with short-circuiting cartridges by means of an insulating pole on which you was fixed short-circuiting cartridge of the appropriate size
- 3) mind that the short-circuiting cartridge insulating blade is inserted into the fuse bottom inlet and the blade with M10 thread for connecting short-circuiting cable is inserted into the fuse bottom outlet
- 4) check non-voltage state on the body of the short-circuiting cartridge with a voltage detector while the main switch is on
- 5) if any voltage is founded, the short-circuiting cartridge is inserted upside down and it must be inserted the other way round
- 6) when the cartridges are in right position, use the insulating pole with inbus extension to fix short-circuiting cable into the cartridge
- 7) the sequence is reverse during the disconnecting of the clamps, i.e. the earthing clamp is disconnected in the end

WARNING: If the main switch is off while checking the right position of short-circuiting cartridge, it is impossible to verify with the voltage detector whether the short-circuiting cartridge is in the right position. In such a case fixation short-circuiting cable into wrongly inserted short-circuiting cartridges, any turning the main switch on would result in the danger. Short-circuiting cartridges might be thrown out of the fuse bottom due to dynamic forces of short-circuiting currents, **which might endanger the attendants.**

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.

2.0 Maintenance and storage

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 functionality, when a short-circuiting current has already gone through short-circuiting current !!!

3.0 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.

4.0 Packing

The short circuiting set is delivered in plastic box. There is enclosed the function description and the directions for use, the Certificate about quality and completeness of product and product test.

5.0 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.