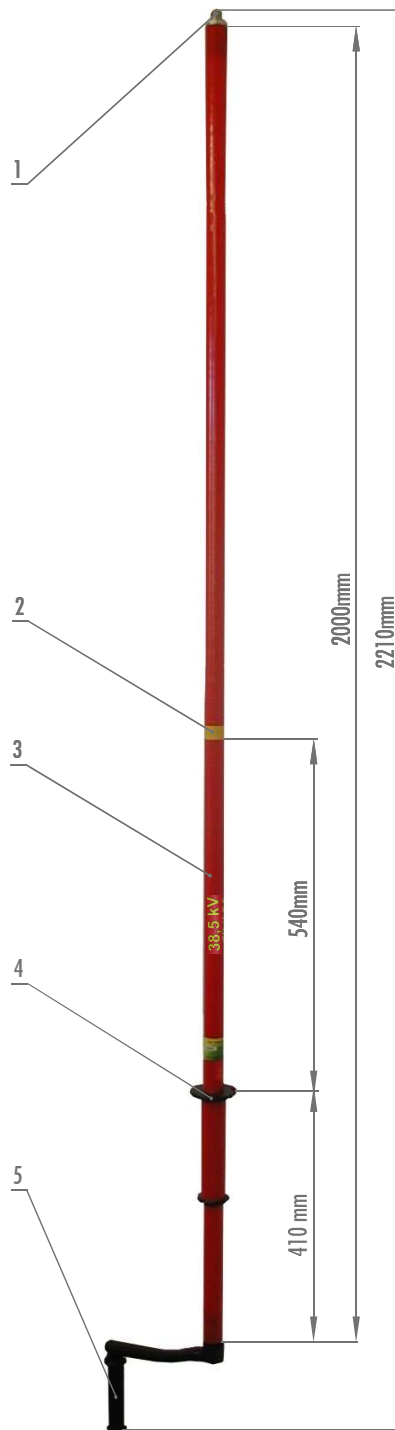


# MANIPULATING ROD UP TO 38.5 kV

# TYPE 866.040

## General Information

Manipulating rod is designed for operating of switch-disconnectors, earthing point and other revolving mechanism control at distribution transformer stations at voltage up to 38.5 kV. It consists of insulating rod ended with four-prism or six-prism to control mechanism, handle guard and revolving handle with crank. Insulating rod 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. Manipulating rod is determined for indoor use, as well as for outdoor use under normal climatic conditions. The handle is provided with the protective ring (hand guard). Manipulating rod complies with standards ČSN 35 9701, DIN 57 681, IEC 832.



- 1 - four or six-prism
- 2 - limit mark
- 3 - insulating part
- 4 - hand guard
- 5 - revolving handle

## Technical Data

Climatic group	normal - 25°C to 55°C	Pole material	glass-fabric laminate for outdoor use
Length of equipment	2210 mm	The highest voltage	38.5 kV
Length of handle	410 mm	Test voltage	75 kV
Rod diameter	31 mm	Weight of equipment	1.5 kg

The producer reserves the right to modify this item!

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1.0

## Directions for use

Manipulating rod serves for operating of switch-disconnectors, earthing points and other revolving mechanisms. They are controled by means of four-prism or six-prism on top of the rod end revolving handle with crank. The rod must be held by the revolving handle which is determined by the rubber ring (hand guard). There is limit mark on the insulating part of rod and the bottom plug. The limit mark determines the border for insertion of the rod to electrically active part. It is necessary to performe the visual check of rod's status befor using.

**The manipulating rod 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.**

2.0

## Maintenance and storage

The rod must be kept in condition, it must not be mechanically damaged. Its surface must be clean and dry. During the storage the rod must not to get damp. The visual check is necessary before using. The inspection must be executed at least once per year.

For common cleaning of rods 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.

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. The switching rod must be periodically tested in accordance with standards.

4.0

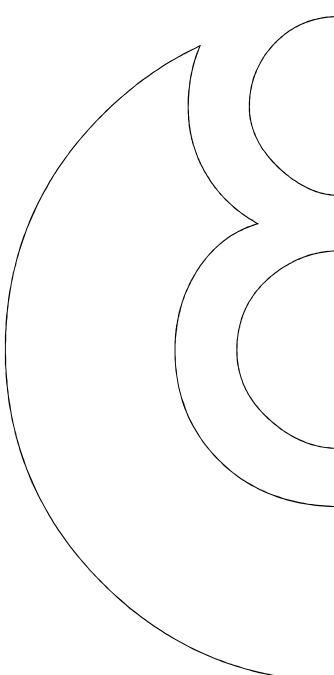
## Packing

The switching rods are foil wrapped. 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.



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