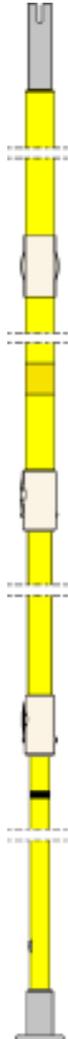




INSTRUCTION FOR USE

GA23GB-10.08



TYPE NO. 511 190

3-SECTION TELESCOPIC EARTHING ROD FOR
CONNECTION/DISCONNECTION
OF STATIONARY EARTHING LANCES

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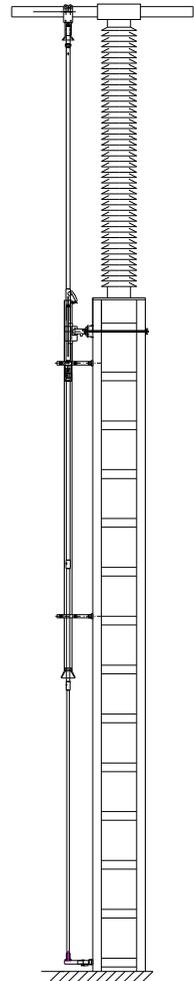
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This instruction for use, specially its safety information, is to be read and to be observed by everyone working with the described product !

FIELD OF APPLICATION AND USAGE

This 3-section telescopic earthing rod is designed to guide, connect and disconnect stationary earthing lances which are a permanent incorporation inside a protection tube in an electric installation.



**3-section
telescopic
earthing rod in**

SAFETY INFORMATION



Warning !

All warnings are marked with this symbol. Do not ignore any warning. Failure in observance may lead to injuries or death.



Attention !

All safety hints are marked with this symbol. Do not ignore any safety hint. Failure in observance may lead to damage of devices or longterm health damages.



Information !

All information is marked with this symbol. Do not ignore any information. It contains important details to facilitate working and improve apprehension.



Recommendation !

All recommendations are marked with this symbol. They will contain details for optimum usage of the device.

Required qualification of operating personnel

Operation and maintenance of this 3-section telescopic earthing rod is to be carried out only by electricians or specially trained personnel following EN 50110-1 or the standardised safety rules of the respective country.

Prevention of danger



Warning !

For usage of 3-section telescopic earthing rod observe EN 50110-1 or standardised safety rules of your country to prevent dangers !



Examine 3-section telescopic earthing rod for its faultfree condition before each use !



Only use 3-section telesecopic earthing rod on de-energised electric installation after absence of voltage has been verified !



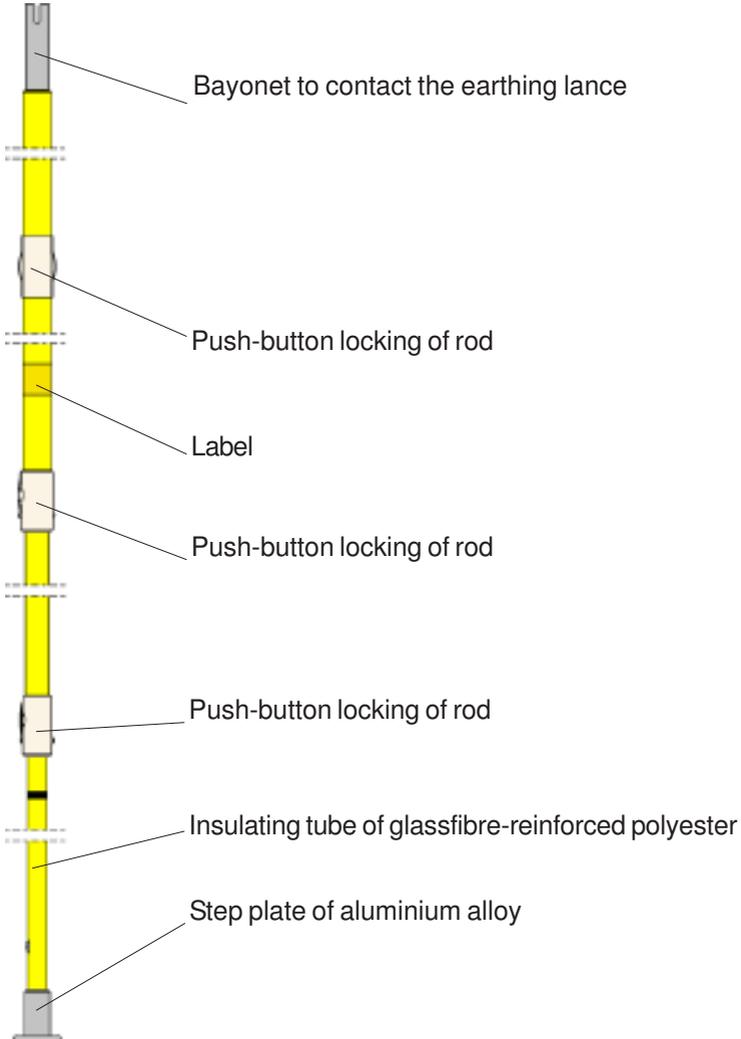
Before use make sure that you are standing firmly and securely on the ground !



Considerable residual voltages may be expected in de-energised installations.

GENERAL INFORMATION ABOUT THIS 3-SECTION TELESCOPIC EARTHING ROD

This 3-section telescopic earthing rod is designed to guide, connect and disconnect stationary earthing lances which are a permanent incorporation inside a protection tube in an electric installation.



UNPACKING AND EXAMINATION

Unpacking and examination

The 3-section telescopic earthing rod is packed to be protected against damage during transport.

Unpack and examine the 3-section telescopic earthing rod as follows:

- Unpack the 3-section telescopic earthing rod and make sure you have received all parts listed on the packing list.
- Examine the earthing rod for damages from transportation.
In case packing is damaged and you have to expect damage or loss of supplied parts, this is to be noted on the delivery documents, otherwise insurance will not pay !
If shipment is packed orderly and parts are damaged or missing please contact ARCUS-Schiffmann immediately.

RECOMMENDATION !



Stock all packing material to be available in case the 3-section telescopic earthing rod needs to be returned.

Storage

To maintain function of the 3-section telescopic earthing rod for a long time it should be stored in dry condition and protected against dirt.

EARTHING

Telescoping of earthing rod

Transport earthing rod to working location.



Before use of the earthing rod make sure that the electric installation is de-energised.

It is recommendable to stand firmly on the ground when using the earthing rod.

Lower the foot hold. Step on the horizontal bolt on the right hand side of the foot hold joint and place the foot hold in horizontal position.



Insert the top end of the earthing rod into the lower end of the aluminium protection tube.

Place the lower end of the earthing rod onto the concentric bolt of the foot hold.



Operate the push button A (see page 11/picture 1+2) with your thumb. Slide the first rod section upwards until it locks again in push button A. To facilitate this action step onto the foot plate of the earthing rod.

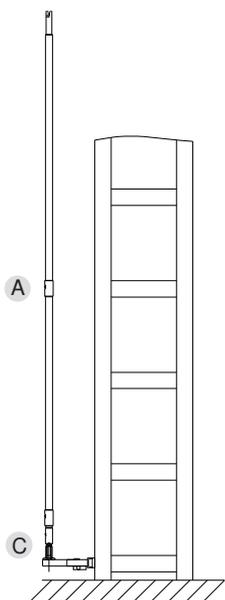


The push button will only lock when it is in line with the hole in the rod. If required rotate the rod in longitudinal axis.

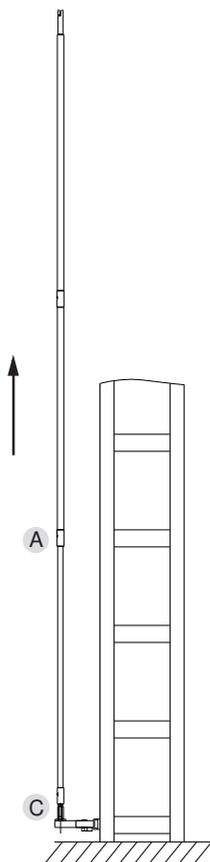
Now operate push button C with your thumb and slide section 2 of the earthing rod until it locks in push button B.

Contact of earthing lance on conductor

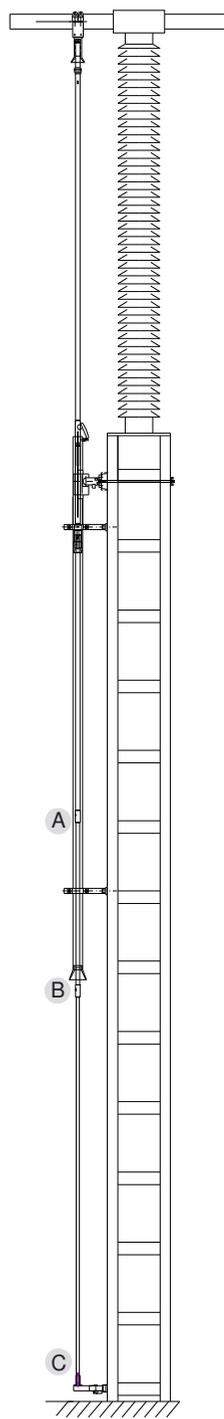
Hold the earthing rod at the lower end with both hands and lift it until the tip of the earthing lance is stuck in the bell-shaped phase fixed point. Then rotate the lifted earthing rod until the earthing lance tip locks in the cross pin of the phase fixed point. Next rotate the earthing rod clockwise (direction of sight towards conductor). The earthing lance is locked.



Picture 1



Picture 2



Picture 3

Retraction of earthing rod

Press push button B which has locked last when extending the rod and slowly lower the second rod section (page 11/picture 3).

Again observe that the lowered position is secured by locking of the lower push button C (page 11/picture 2).

Last press push button A (page 11/picture 2) which has locked first when extending the rod. Next the first section can be lowered slowly. Again observe that the lowered position is secured by locking of push button A.

Now it is possible to remove the earthing rod after lifting it from the concentric bolt of the foot hold and sliding it out of the protection tube.

To avoid injuries fold the foot hold upwards again.

UNEARTHING

To lower (unearth) the earthing lance operate in the same sequence as during the earthing procedure.

Please observe that during the unearthing process suddenly the earthing rod is charged with the weight of the earthing lance. Only lower the earthing lance after contacts for phase and earth are completely opened.



During extension and retraction of the earthing rod the complete weight of the earthing lance may rest on it.

Specially during retraction never let the rod sections drop by its own weight ! This would damage or destroy the earthing rod.

MAINTENANCE

For safety reasons the earthing rod is to be treated with great care. Before each use it is to be thoroughly examined. At least once a year the faultless function of the 3-section telescopic earthing rod is to be examined by completely extending and retracting all rod sections.

All parts are to be easy to move and the rod surface must not show visible damages (notches, burrs, damage of varnish, etc.) !

EXCLUSION OF REUSAGE



Warning !

A damaged earthing rod must be excluded from use !

WASTE DISPOSAL

Dispose of the 3-section telescopic earthing rod and its packing following the valid local requirements. ARCUS-Schiffmann is not liable for improper waste disposal. If uncertain about rod materials please contact us.

ANNEXURE

Guarantee

This instruction for use was written with utmost care and examined before publication.

Guarantee condition is proven observation of instruction for use for storage, assembly, operation and maintenance.

Valid are the “General Conditions for the supply of Products and Services of the Electrical and Electronics Industry”.

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