

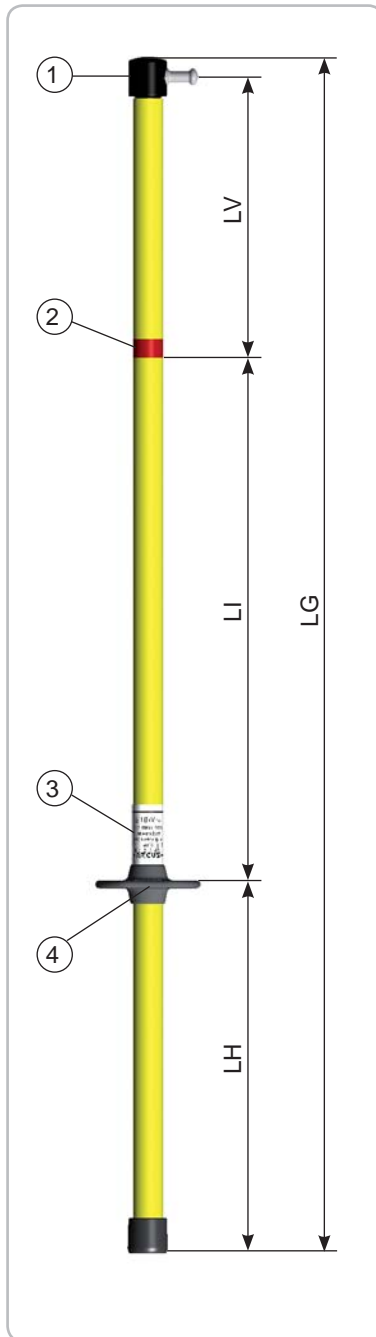


INSTRUCTION FOR USE

Switching rods according to DIN VDE V 0681-2

GA241GB-05.19

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1. General

This instruction for use is to be read and to be observed before working with the switching rod!

Keep this instruction for use to have information available when required.

In case you will hand over the switching rod to another person, include the instruction for use !

2. Construction of the switching rod

Switching rods are operating rods according to DIN VDE V 0681 part 2 with an operating bolt on the operating head, e.g. to switch circuit breakers or earthing switches.

Your switching rod is designed as one-part or multiple-part rod, composed of handle section LH, limitation disc (4), insulating section LI, red ring (2), and extension part LV with switching rod head (1).

During operation, the switching rod is to be held at the handle section LH.

One must not hold the rod above the limitation disc (4)!

The insulating section LI is located between limitation disc (4) and red ring (2). It offers the user the required protective distance and sufficient insulation towards live installation parts.

The extension part LV, between switching rod head (1) and red ring (2), may be positioned on earthed or live installation parts.

3. Required qualification of operating personnel

Operation and maintenance of this switching 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. Further it needs to be secured that before start of work the operating personnel was trained for this operation!

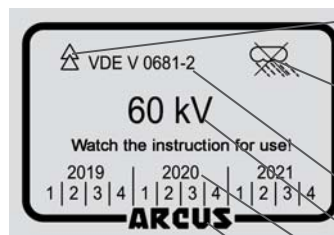


4. Switching rod: special remarks

Before use of this switching rod, please examine the label (3) for suitability for its intended usage.



Label: switching rod:



Marking of tools and equipment for live working

Construction: for indoor and outdoor use

Indoor use



Outdoor use



Product standard

Nominal voltage or nominal voltage range

Year and quarter of production

Manufacturer

[1.] Switching rod head

[2.] Red ring

[3.] Label

[4.] Limitation disc

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5. Use of the switching rod

Use of switching rods is considered as live working. Related valid regulations and guidelines for live working are to be observed!



For risk prevention when switching rods are used, observe:

EN 50110-1 >>Operation of Electrical Installations<<,
DGUV Regulation 1 >>Principles of Prevention<<,
DGUV Regulation 3 >>Accident Prevention Regulation – Electrical Installations and Equipment<<,
DGUV Rule 103-011 >>Live Working on Electrical Installations and Equipment<<,
and internal company regulations, when applicable!

Use the switching rod solely for short-term work on live equipment!

Usage in factory-built type-tested installations:

Switching rods may be used in factory-built type-tested installations, for example to DIN EN 62271-200 and DIN EN 62271-201, under limited conditions. Users of switching rods or operators of respective switchgear are to contact the manufacturer, whether switching rods may be used and where.



6. Safety information

- Use the complete available personal protection equipment for live working!
- Directly before each use switching rods are to be examined for faultless function.
- Switching rods marked “for indoor use“ may be used in indoor installations and outdoors, but must not be used in case of precipitation! Precipitation is any kind of weather that causes forming of moisture or drops on the surface of the insulating rod. This includes fog.
- Switching rods of construction “outdoor use“ must not remain under voltage for more than 1 min. in case of precipitation.
- Labels, marks and instruction for use of switching rods are to be observed.

7. Unpacking and examination

The switching rod is packed to be protected against normal impact and damage during transport. Unpack and examine the switching rod as follows:

- Unpack the switching rod and make sure you have received all parts listed on the packing list.
- Examine the switching 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.

8. Storage and transport of the switching rod

The switching rod is to be stored in clean and dry condition.

A wet switching rod must be dried with a soft, lint-free and clean cloth before storage. Make sure that the switching rod is protected against shock, impact and damage of surface !

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9. Application of the switching rod

- Switching rods marked "Do not use in case of precipitation" have to be dried before use in case they became wet!
- Soiled switching rods have to be cleaned before use!
- For use, switching rods are to be held only in the handle area LH and must be operated under consideration of the required safety distance to all live installation parts!
- Switching rods must only be operated from a safe position!
- The switching rod may be used in any usage position.

Hints for multi-part switching rods:

Only use multi-part switching rods completely assembled with its provided parts!

Multi-section switching rods may only be used with precipitation when each of its rod parts is designed for outdoor use!

Hints for telescopic switching rods:

Telescopic switching rods must only be used when completely extended!

10. Maintenance and care

The switching rod is to be treated carefully and protected against damage and soiling to maintain its insulation properties.

Cleaning:

Clean the switching rod with a soft, lint-free, damp and clean cloth.

Do not use cleansers or solvents! Afterwards wipe it with a dry cloth.

Before each use:

The switching rod is to be examined by a trained person for detectable damages and soiling ! In case parts are damaged and function is affected or labels are illegible, withdraw the switching rod from further use.

Once a year:

To maintain the insulation properties at nearly reconditioned state, treat the switching rod annually with ARCUS Silicon Grease (type no. 625 004).

11. Technical Data

Environmental temperature:	-25 °C up to +55 °C
Humidity:	20 - 96%
Field of application:	see labels of the switching rod
Standard:	DIN VDE V 0681-2

12. Available accessories

ARCUS Silicone Paste 100 g

Carrying bag, wall bracket

Type No. 625 004

Upon request

13. Waste disposal

Observe local regulations for disposal of switching rods and packing.

For queries concerning used materials please contact ARCUS Schiffmann.

14. Product liability and guarantee

This instruction for use was written with greatest care and examined before publishing.

Basis for guarantee is the proven observation of this instruction for use for storage, assembly, operation, maintenance and care.

Valid are the "General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry".

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