



Leading Grid
Connections.



RISe to new horizons

A greener technology for a
greener world

A superior bushing

Paperless implementation – an innovative development

RIS bushings are pioneers in sustainable high-voltage technology. Together with our capacity-graded cores, they already form the technological basis of the future.

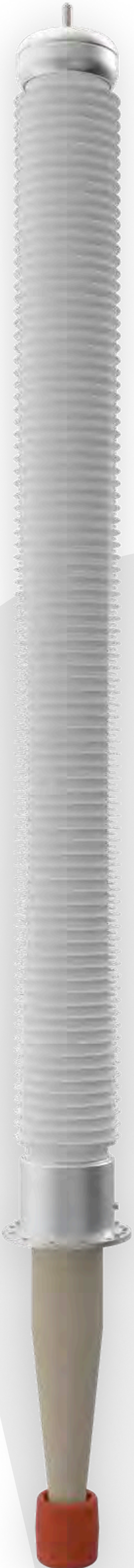
Absolute reliability. High environmental friendliness. Maximum efficiency. These are the hallmarks of a high-quality bushing. We have made this possible with RIS technology for our bushings. Two factors set our bushings apart from other products: the capacity grading of the core to control the electric field and the switch from RIP technology to RIS technology in the insulation for greater safety and sustainability.

Value condensed to the core

To enable a homogeneous electric field strength distribution, we have designed the core with several integrated conductive layers. This capacitor core consists of epoxy resin, aluminium layers and synthetic fleece (resin-impregnated synthetic material). N₂-based foam serves as secondary insulation between the core and the insulator. The entire construction of the bushing is completely free of oil and SF₆.

RIS bushings combine functionality and technical requirements

Our bushings are carefully designed to maximise their potential by integrating various elements such as optimisation of electric field strength, improved insulation, protection against contamination and structural support. These design features work together to optimise the performance, reliability and service life of the bushing, ensuring safe and efficient operation in high-voltage applications.



Advantages of RIS technology at a glance



Maximum safety
Dry technology, no oil, no SF₆



High efficiency
Lowest operational costs, maintenance free



Absolute reliability
Minimizing risks during commissioning and operation



Weather resistant
No sensitivity to humidity, easy storage conditions



Ecofriendly
Lowest CO₂ footprint measured for the entire lifecycle of 40 years

RIS in practice

We have been producing RIS bushings since 2014, meaning that they are already in use at countless companies. This is also reflected in the figures we can present for our RIS feed-throughs:

+2148

bushings in operation

+50 Mio.

operating hours

Smaller footprint, bigger impact

We have mathematically compared the environmental impact of RIS and RIP technology. The results are not only promising, but also very clear! Here are the key figures:

45%

lower carbon footprint than RIP products

41%

less energy losses than RIP products



Download the flyer comparing RIP and RIS in terms of the carbon footprint of the two technologies.



Get more information
for RIS-technology here!

Any questions or need support? Connect with us:

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