



Leading Grid  
Connections.



# HSP Product Portfolio

Our quality your succes!

# The future in our portfolio

Yesterday. Today. Tomorrow.

For more than 100 years, HSP has stood for outstanding quality and impressive, tailor-made high-voltage bushings. Today, HSP manufactures capacitor bushings for energy technology applications in Germany, USA and Canada using state-of-the-art production and testing equipment.

## Our products by application

Services of the highest quality, solutions that win you over: Explore the innovative and classic products from HSP.

### Transformer bushings

Reliable connections for High-Voltage Performance

Transformer bushings are key components in high-voltage engineering. They enable the safe passage of electrical conductors through grounded enclosures, ensuring efficient and reliable power transmission. HSP designs and manufactures high-voltage transformer bushings used in transformers around the world – built for maximum performance, safety, and durability under the most demanding conditions.

- ✓ STARIS®+ / STARIS®-Si+ for rated voltages of 24 to 245 kV and rated currents up to 2500 A as a standard series
- ✓ SESTFt, Transformer outdoor bushings, for rated voltages of 24 to 800 kV and rated currents up to 6000 A
- ✓ EKTO, Transformer oil bushings, for rated voltages of 36 to 800 kV and rated currents up to 4000 A
- ✓ EKTG, Transformer gas bushings, for rated voltages of 52 to 800 kV and rated currents up to 4000 A

#### STARIS®+ / STARIS®-Si+

RIS Transformer  
outdoor bushings



#### SESTFt

RIS Transformer  
outdoor bushings



#### EKTG

RIP Transformer  
gas bushings



#### EKTO

RIP Transformer  
oil bushings



### Bushings for gas-insulated switchgear

Solutions for Optimal Voltage Distribution

HSP's comprehensive bushing range delivers custom-engineered solutions with optimum voltage distribution for both gas-insulated and air-insulated applications.

Featuring resin-impregnated paper technology and designed to handle fast voltage changes, these bushings provide reliable performance across voltage ranges from 52 to 800 kV and currents up to 4000 A, ensuring optimal performance and long-term reliability in demanding electrical environments.

- ✓ The unpressurized EKGft/SEKGft features condenser grading and is designed for rated voltages of 73 to 550 kV and rated currents up to 4000 A.

#### EKGft

Bushing for gas-insulated  
switchgear



“Our aim is to offer our customers future-proof solutions – for sustainable benefits.”



**Hans Julius Gronau**  
Managing Director,  
HSP Germany

## Generator bushings

### Cooling Gas Resistant Solutions

HSP bushings for generators or electric machines are suitable for internal spaces and are resistant to generator cooling gases. The EMH and EMI/EKMI types are designed for rated voltages of 12 to 36 kV and rated currents of up to 36 kA and operate with a solid active component made of resin-impregnated paper.

- ✓ EMH with controlled air cooling from the machine side
- ✓ EMI/EKMI with natural cooling, controlled gas cooling or liquid cooling.



**EKMI**  
Generator bushing



**EMH**  
RIP Generator bushing

## Wall bushings

### Proven High-Voltage Performance

HSP's wall bushings provide the perfect solution for air-insulated switchgear installations where space efficiency and cost optimization are paramount. Designed with proven cast resin technology and available in both porcelain and silicone composite insulator options, these bushings deliver reliable performance from 52 to 800 kV.

- ✓ We supply EW/SEW wall bushings for rated voltages of 52 to 800 kV and rated currents up to 4000 A.



**SEW**  
Wall bushings or roof  
bushings for air-insulated  
switchgear



**GSEW**  
Wall bushing for HVDC  
converter stations

## Cable terminations

### Reliable, compact and sustainable High-Voltage Connections

Our dry-type cable terminations with capacitive graded, resin-impregnated bushing technology offer a safe and maintenance-free connection for voltages of  $\geq 170$  kV, developed in close collaboration with leading cable manufacturers. This breakthrough in termination design ensures homogenous field distribution, compact dimensions, and environmental safety, all while delivering exceptional long-term performance.



Cable terminations



Experience the  
**world of HSP!**

**Any questions or need support?**  
**Connect with us:**

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 [www.hsp-grid.com](http://www.hsp-grid.com)



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Company

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