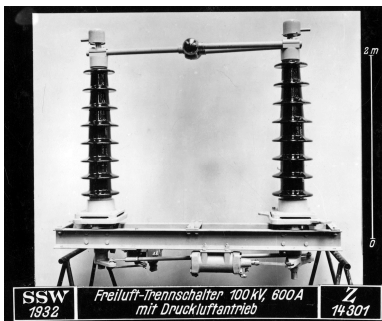


[siemens.com/energy/disconnector](https://www.siemens.com/energy/disconnector)

# High Voltage Disconnectors and Earthing Switches

Get to know our enhanced global product family

Disconnectors and earthing switches are essential parts of electric power substations. In the open position, disconnectors indicate a visible insulated gap. Earthing switches allow for a safe working environment for the staff on site.



Historical center break disconnector manufactured in Berlin, 1932.

Since the 1930s, Siemens has exported disconnectors and related components throughout the world. Based on the "genetic code" of the proven Siemens disconnectors, the portfolio has now been enhanced and harmonized to respond even better to varied customer needs and to make it easier for you to select the right product.

## Customer-specific solutions

Siemens offers competitive solutions for different customer needs and can satisfy various technical requirements from 36 kV up to 1200 kV. Whether you are looking for a cost-effective standard solution or a highly customized product, you will find the right disconnector with us.

Our products offer a suitable solution for every substation layout – outdoor and indoor, even within limited space.

## Proven quality that serves you a lifetime

Modern manufacturing technologies and investments in our production sites worldwide ensure sustained product and process quality in accordance with the high standards of Siemens. Our disconnectors fulfill all requirements of different international and national standards like IEC, GOST R and GB, and are proven in extensive type tests. Compliant even with the most stringent environmental requirements, Siemens disconnectors reach a service lifetime of a minimum of 40 years.

## Long-term partnership

Siemens is not just a supplier of high voltage products, but a long-term, reliable partner. Decades of experience and our presence in more than 190 countries worldwide ensure our competence and global availability.

## Disconnectors designed for your needs.

## Benefits at a glance

- Cost-effective standard solutions – adaptable to different requirements
- Modular system for easy commissioning
- Reliable product design for minimum maintenance effort
- Motor drive for easy handling
- Minimum service life of at least 40 years
- Rated current up to 5000 Amps
- Highest short-circuit ratings up to 80 kA-1sec

## Adaptability

A range of different customers such as transmission and distribution utilities, industries and railways, as well as EPC already rely on Siemens disconnectors. To even better meet customer requirements, Siemens has harmonized its disconnector portfolio. The products maintain safe operation even under severe environmental conditions such as extreme ambient temperatures (from -55 °C up to +55 °C), high humidity, ice layers up to 20mm, and seismic requirements up to 1g. Easy access to the control unit ensures easy handling and maintenance – even in indoor applications. And if you just need a simple solution, Siemens can offer a competitive standard product.

## Experience

For more than 80 years, Siemens has engineered and manufactured disconnectors. To this day, the Siemens technology has been applied in more than 100,000 disconnectors installed worldwide - not only in regular applications, but also in challenging HVDC projects on all continents. Global company regulations regarding constant improvement of processes and employee qualification ensure a continuously high level of product quality and competence. Siemens experts are available 24/7 via our Customer Support Center, to make sure you find assistance whenever needed. With Siemens, you opt not just for a supplier, but for a partner.

## Quality

The different disconnector types of the Siemens portfolio are available in the exceptional quality Siemens is known for. Compliant with the high Siemens standards, they meet all international standards such as IEC 62271-102 and ANSI. Additionally, many local standards are fulfilled, including GB, GOST and AS. Products and production sites are certified according to DIN EN ISO 9001:2008, ISO 14001:2004 and BS OHSAS 18001:2007. Moreover, 10000 operating cycles are verified in mechanical endurance tests.

All this ensures you receive a highly reliable and safe product in accordance with your technical specification.

### Harmonized disconnector portfolio

Center break 3DN1



Double-side break 3DN2



Pantograph 3DN3



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