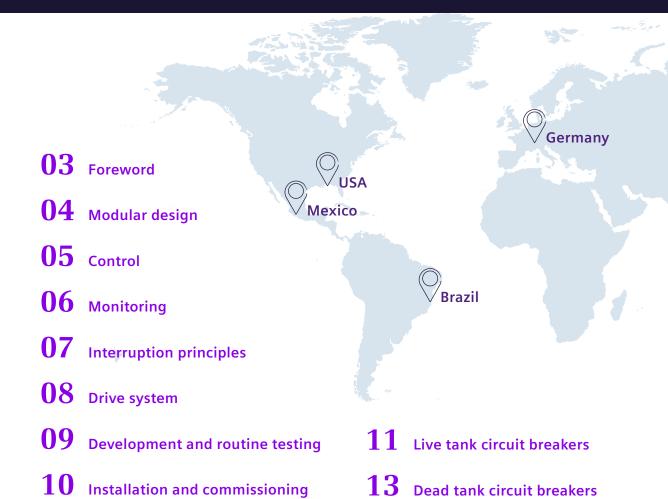


High-Voltage Circuit Breakers

From 72.5 kV up to 1100 kV



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Customized products with the shortest delivery times from our global production network



- 15 Dead Tank Compact
- 16 Disconnecting Circuit Breaker

Circuit breakers from Siemens Energy

Modular design

Few basic components leading to a high diversity of types

High-voltage circuit breakers from Siemens Energy, regardless of type or voltage range, are designed in a well proven modular platform concept. This leads to a high diversity of circuit breaker types and to high flexibility with regard to various applications according to our customers' requirements.

The main components, such as

- · operating mechanism,
- control system,
- base frame.
- · kinematic chain and
- insulator designs
- current transformers (DT / DTC)
- pre-insertion resistors (PIR)

are identical and based on decades of manufacturing and operating experience. Our GIS switchgear range also includes the same interrupter units, operating mechanisms and control elements. By applying this proven modular design not only at our lead factory in Germany, but also within our global manufacturing network, we are able to fulfill the highest expectations regarding availability and reliability at eminently competitive prices.

This modular principle can also be found in the type definition of our high-voltage circuit breakers.

Control

The control system includes the secondary technical components required for operating the circuit breaker, which are mainly arranged in the control cabinet. The control, tripping, motor and heating power supplies can be selected by the customer. Two standard control variants are available depending on your requirements.

Basic variant

The basic variant includes all control and monitoring elements that are needed for operation of the circuit breaker, including the following:

- Switching operation counter
- 19 auxiliary switch contacts (9 normally open, 9 normally closed, 1 wiper contact)
- Local actuator

Compact variant

In addition to the basic variant, this compact variant includes:

- Spring monitoring by motor run time monitoring
- · Heating monitoring (current measuring relay)
- Light and socket attachment with a common circuit breaker to facilitate servicing and maintenance work
- Overvoltage attenuation
- Motor circuit breaker
- Heating circuit breaker Special customer adapted solutions can be offered on request.



Cabinet with control and stored-energy spring drive mechanism

Circuit breaker monitoring

Drive system

Quality right from the start

Easy installation and commissioning

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