A miniature circuit breaker.

High demands in small spaces.

- In 2013, 42 million miniature circuit breakers were produced in Heidelberg. Lining them up in a row would stretch across a line of 720 kilometers.
- From Heidelberg to Marseille.
- During the time it would take Usain Bolt to run 100 meters, 16 miniature circuit breakers come off the production line in Heidelberg.
- A circuit breaker's lifecycle can reach far beyond 30 years. This is about the same as a blue whale's life expectancy.
- The speed to trigger it takes 10 milliseconds.
- This is 10 times faster than a human eye can blink.
- A miniature circuit breaker can disconnect up to 50 kA short circuit current.
- The same amount of current from 50,000 smartphone batteries.
- When a miniature circuit breaker trips, the inside of its body can reach temperatures between 5,000 to 6,000 degrees Celsius. Even rocks can melt at that temperature.
- Nonetheless, the miniature circuit breaker trips reliably and safely without any danger.

Everyone knows him and everyone has one at home – a miniature circuit breaker. Without this circuit breaker, we would find our daily activities unpleasantly interrupted. After all, there is a lot of high-tech in this small device.

- In 1923, Hugo Stotz invented the first miniature circuit breaker.
- The same year ice cream on the stick was invented.
- And one year later a patent was awarded for the first miniature circuit breaker.

- Lifespan over 30 years.
- Stretching across 720 kilometers.
- 16 pieces in 9.58 seconds.
- 10 times faster.
- 50,000 smartphone batteries.

- There are more than 4,500 types of miniature circuit breakers. That's as many different types of mammals on earth.