

Miniature circuit breaker High demands in small spaces

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.



More than 40 million



Stretching across 720 kilometers



In 2013, 42 milion 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.

16 pieces 5 in 9.58 seconds

During the time it would take Usain Bolt to run 100 meters, 16 miniature circuit breakers come off the production line in Heidelberg.





A miniature circuit breaker can disconnect up to 50 kA short circuit current.

The same amount of current from 50,000 smartphone batteries.

More than

5,000 - 6,000

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.

 $\cap C$

There are more than 4,500 types of miniature circuit breakers.

That's as many different types of mammals on earth.

Sources:

H.Ballhausen und U. Kleinelümern

Die Zeit

1407543.html

