Customized Online Configuration of Inductors

- New design options
- Online price calculation
- Simple order processing
- Short production times

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PROTIQ
A Phoenix Contact Company
Easily customize inductors online

Induction heating is a safe and energy-efficient heating process that allows all electrically conductive materials to be heated quickly and effectively. Depending on the field of application, inductors in different forms will be needed, as they should be able, as accurately as possible, to adapt to the component that is to be heated. With the Inductor Generator from PROTIQ, you can modularly design induction coils to be suitable for many industrial applications.

The Inductor Generator, in combination with tool-less production, significantly shortens this lengthy process through the use of 3D printing. Simply select the appropriate basic shape for your application and define the individual parameters, such as the number of turns, coil diameter or the position of the connection. You have six basic shapes to choose from, which you can modularly adapt to your personal requirements with just a few clicks. You will receive your inductor just a few days after the receipt of your order, since with industrial 3D printing production can start immediately!

Copper in 3D printing

Your inductor will be 3D-printed using selective laser melting. Since copper almost completely reflects the rays of conventional laser melting equipment, many 3D printing service providers use alloys with a relatively low copper content. The conductivity of the components made from such alloys, however, is often unsatisfactory. PROTIQ has succeeded in developing a unique process that can be used additively to process high-conductivity copper. This makes us one of the first 3D printing providers able to produce copper inductors of the highest industrial quality.

Advantages:
- New, custom design options
- Economical production due to the modular design and additive manufacturing
- Intuitive use of the user interface
- Delivery within a few days of receipt of the order
- Guaranteed printability of the 3D models
- Compliance with all EU data protection laws

Is your desired geometry not offered?
Contact us – the modular design system will be continuously expanded with standardizable basic geometries.

Do you already have an inductor geometry as a 3D dataset?
With PROTIQ, you can easily upload, configure and commission it online. Your product will be delivered just a few days after your order is received.

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