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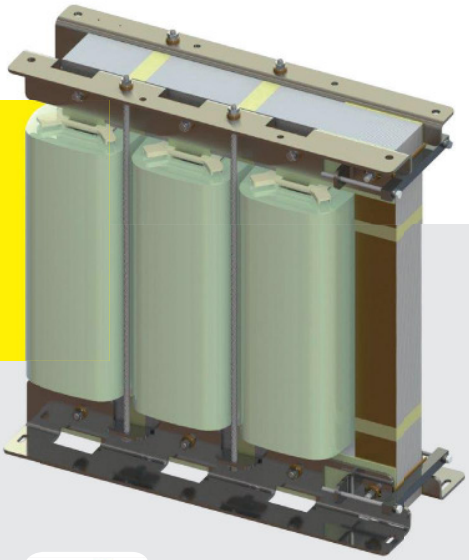
customer-specific production

The 4- or 5-leg-choke for common-mode rejection



The three-phase choke with common-mode rejection serves as a standard filter choke.

The fourth leg is used in this case for common-mode rejection.

+ Compact construction compared to single-phase inductors
+ One part instead of 3x single phase and therefore a significant price advantage
+ Lower power losses as a single choke

compact

lighter

more efficient

reduced price

If you have any further questions don't hesitate to contact us.
Just give us a call – we'd be glad to advise you!

Phone +49(0)8721-9662-0

Get the Power.
Turn it on.

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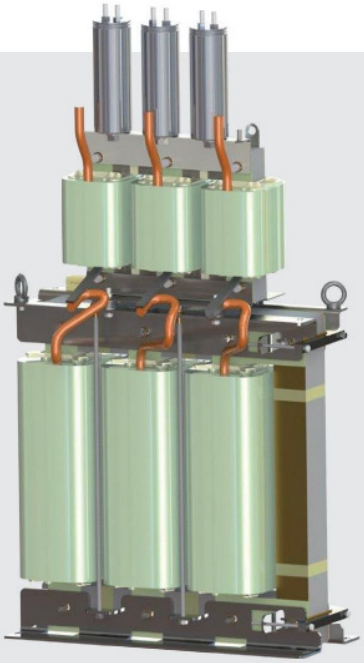
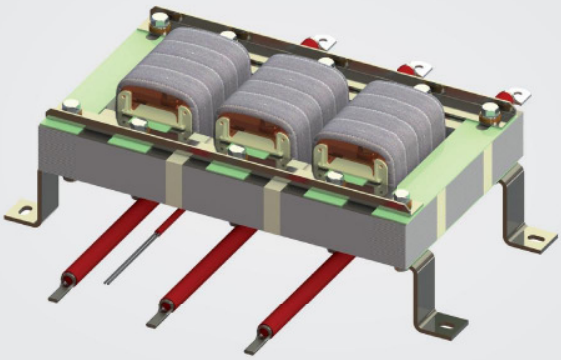
compact **lighter** **more efficient** **reduced price**



The magnetic coupling of three phase filter chokes poses the challenge at complex filter systems. Therefore, depending on the topology of power electronics, single-phase chokes will be applied.

If the currents are **asymmetric**, the inductances of the conventional three-phase chokes do not act in the same way as the one-phase winding goods; therefore the magnetic flows cannot be compensated and this causes a heating in the iron.
If all currents of all three phases flow in the same direction at the same time, the three-phase choke only operates with its leakage inductance.

An alternative to the one-phase chokes are four- and five-leg chokes; developed by Schmidbauer! Another advantage: asymmetric load of the phases is possible.



Fulfillment of three tasks in one: **3 in 1!**

- Filter choke
- Rejection of common-mode parts as the single-phase chokes
- asymmetric load of the phases is possible

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