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To:	Owners Sales Manual	Category:	Product news
From:	Herbert Blum	Product group:	Chokes
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## DKUH-1

### Ultra High Current Choke

- Ultra high current common mode choke
- High DC voltage rating
- Open design optimizes heat dissipation
- Optional customized versions

#### Product

**SCHURTER launches a new choke family for very high currents. The new current-compensated choke DKUH-1 is designed for currents from 50 to 100A. Thanks to the high voltage of 800 VDC, they are suitable for high-power energy applications.**

Powerful energy applications are becoming increasingly compact. This compact design, combined with high energy efficiency, leads to an increase in electromagnetic interference in modern electronic devices. High performance filter elements are required to combat this interference. Due to the compact dimensions, integration of the filter elements on printed circuit boards is an ideal solution. The new DKUH-1 series of chokes is particularly suitable for applications with high power consumption.

#### High-performance versions

The bifilar winding and nanocrystalline cores enable very high currents in relatively compact dimensions. The chokes are designed for high performance applications with high voltages up to 800 VDC.

#### Applications

The new high-current chokes are ideal for energy applications such as EV fast-charging stations, battery storage, photovoltaics, and energy converters. Additionally, the new chokes are also the ideal solution for many high-power industrial applications.

#### Availability and Samples

The new standard variants are available in small quantities from stock. Larger quantities on request. More information about available stock of a specific variant may be retrieved by using the Distributor Stock Check in the table of variants on the [Data Sheet \[1\]](#).

## Additional Information

This document together with the PR texts, -adverts and -pictures and pricing information are available in [Digital Asset Management \[2\]](#). The [Data Sheet \[1\]](#) contains detailed information about the technical specifications, order numbers as well as CAD-Data.

Please do not hesitate to contact us in case of any questions.

Best Regards,

Herbert Blum  
Product Manager

### SCHURTER AG

Werkhofstrasse 8-12

6002 Lucerne

Switzerland

Direct +41 41 369 33 51

[www.schurter.com](http://www.schurter.com)

[herbert.blum@schurter.com](mailto:herbert.blum@schurter.com)

## Links to Sales Information

[1] Technical Data <https://www.schurter.com/en/datasheet/DKUH-1>

[2] DAM <https://dam.schurter.com/web/6dc92eabdee263f3/launch-dkuh-1/?viewType=grid>

## New Part Numbers

Part no.	Description	Configuration code
3-143-899	DKUH-1 COMP.CHOKE 2PH 50A 24mH	DKUH-3280-5024
3-143-900	DKUH-1 COMP.CHOKE 2PH 64A 14mH	DKUH-3280-6414
3-143-902	DKUH-1 COMP.CHOKE 2PH 85A 11mH	DKUH-3280-8511
3-143-903	DKUH-1 COMP.CHOKE 2PH 100A 7.0mH	DKUH-3280-J00P