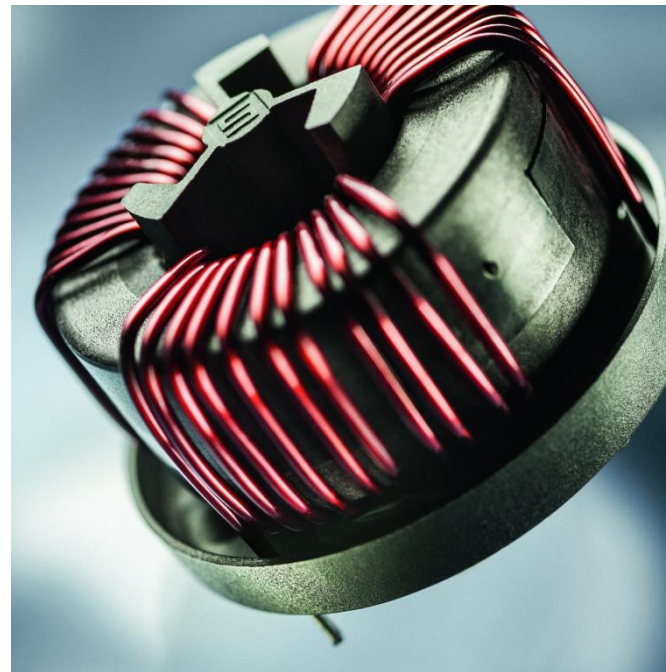




DKIH

High Current Chokes for PCB Mounting



Power on Printed Circuit Boards

- > Like all other aspects of electronic design, the power portion is oftentimes built today using discrete components on printed circuit boards
- > High integration of elements on PCB
- > High currents on PCB
- > To meet EMC requirements common mode chokes with asymmetrical effective inductance must be used



DKIH

High Current Chokes



- > Compact size and light weight
- > Open design for optimal cooling
- > Wide temperature range
- > Customer specific pin outs available



1 Phase current compensated choke

- > Rated voltage 300 VAC (IEC, UL)
250 VAC (CSA)
425 VDC
- > Operating frequency 0 – 400 Hz
- > Rated current 10 – 50 A
- > Rated inductance 0.15 – 0.80 mH
- > Dielectric strength 2720 VDC (2sec.)
- > Weight 30 – 115 gr.
- > Operating temperatures -40 – 100 °C



3 Phase current compensated choke

- > Rated voltage 600 VAC
- > Operating frequency 0 – 400 Hz
- > Rated current 10 – 50 A
- > Rated inductance 0.08 – 1.15 mH
- > Dielectric strength 3740 VDC (2sec.)
- > Weight 90 – 160 gr.
- > Operating temperatures -40 – 100 °C



Strategic Positioning

- > Extension of SCHURTER's range of common mode chokes
- > Cost efficient alternative for the fully potted chokes DKIL-1, DKIL-3

Applications

- > Frequency converter for automation, photovoltaic or energy storage
- > Charge stations
- > UPS-systems
- > Switching power supplies

Competitors

- > TDK-Epcos B82726 / B82747
- > Schaffner RB series
- > Vacuumschmelze 6123

Price Position

- > Competitive prices

USP (Customer Focus)

- > Compact size and light weight
- > Open design for optimal cooling
- > Wide temperature range
- > Custom specific versions and pin out on request
- > SPICE Library, CAD models

DKIH-1 (1 phase)

In [A]	U [VAC]	Ln [mH]	Packaging unit [pcs.]	Order Number
10	300	0.80	40	DKIH-3237-10D8
12	300	0.70	40	DKIH-3237-12D7
16	300	0.90	20	DKIH-3242-16D9
20	300	0.50	20	DKIH-3242-20D5
25	300	0.30	20	DKIH-3242-25D3
32	300	0.75	20	DKIH-3252-32D8
40	300	0.45	20	DKIH-3252-40D5
50	300	0.15	20	DKIH-3252-50D2



DKIH-3 (3 phase)

In [A]	U [VAC]	Ln [mH]	Packing unit [pcs.]	Order Number
10	600	1.10	20	DKIH-3352-102J
12	600	0.75	20	DKIH-3352-12D8
16	600	0.46	20	DKIH-3352-16D5
20	600	0.35	20	DKIH-3352-20D4
25	600	0.24	20	DKIH-3352-25D3
32	600	0.33	20	DKIH-3358-32D3
40	600	0.15	20	DKIH-3358-40D2
50	600	0.08	20	DKIH-3358-50C8



Solar Inverters



Power Electronics



Charging Stations





Current compensated chokes

1-Phase fully potted

- > DKIP-1 10 – 50A flexible wire
- > DKIL-1 10 – 20A THT



3-Phase fully potted

- > DKIP-3 10 – 50A flexible wire
- > DKIL-3 10 – 20A THT

Additional Information

- > Website enables quick access to sales and marketing materials
- > Click on [Partner Services](#) to download:
 - > Latest press releases
 - > Training presentations
 - > Price lists
 - > High and low resolution product photos
- > Samples can be ordered from the standard product inventory
- > Microsite: <http://dkih.schurter.com/>

Technical Assistance

- > For general product questions, contact your Inside Sales Representative.
- > For technical assistance or specific design configurations, contact Herbert Blum at:
herbert.blum@schurter.ch
+41 41 369 33 51