

Compensated High Inductance Choke, 1-phase



Description

- Current compensated choke
- 1-phase choke
- THT-terminals
- Flange for mounting onto printed circuit board
- Fully potted resin

Standards

- EN 60938
- UL 1283
- CSA 22.2 no 8

Approvals

- Approval Reference Type: DKLL

Applications

- Placed in front of frequency converter
- Stepper motor drives
- UPS-systems
- Inverter

Weblinks

[pdf datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [Distributor Stock-Check](#), [Detailed request for product](#)

Technical Data

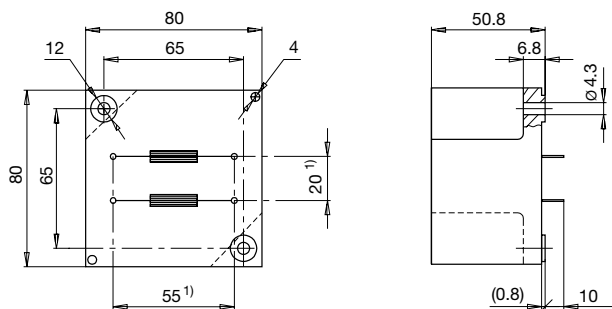
Rated voltage	up to 540 VAC
	up to 760 VDC
Rated Current	4 - 7 A @ Ta 40 °C
Rated inductance	14 - 60 mH, Tol. -30% +50%
Power Operating Frequency	50 - 400 Hz
Terminal Type	THT
Weight	145 - 505 g
Material: Housing	UL 94V-0
Sealing Compound	UL 94V-0

Test Voltage	2.5 kV, 50 Hz, 2 sec, winding to winding
Isolation Voltage	2.5 kV eff., 50 Hz, 2 sec, winding to ambient
Climatic Category	25/100/21 acc. to IEC 60068-1
Allowable Operation Temp.	-25 °C to 100 °C

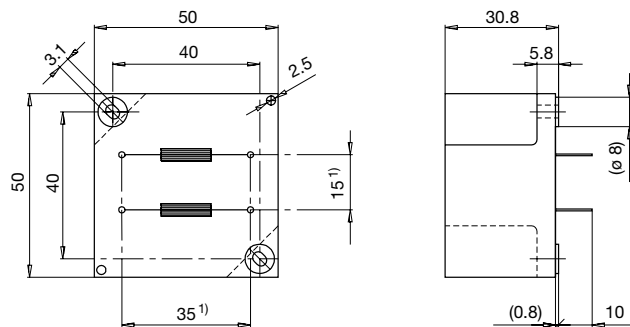
Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [General Product Information](#)

Dimension [mm]

Case 31-2P



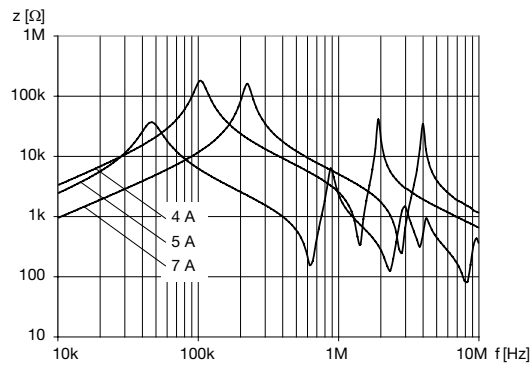
Case 46-2P



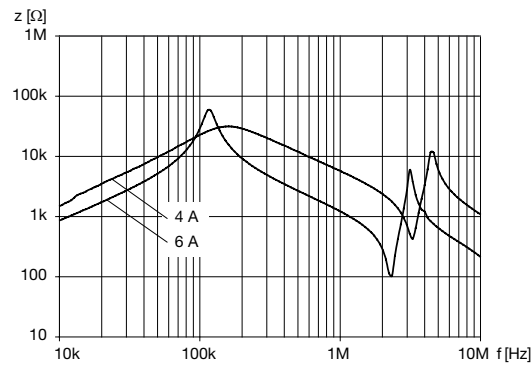
1) Spacing given at pin base

Impedance curves

DKLL-0231-xxxx



DKLL-0246-xxxx



All Variants

I_n [A]	L_n [mH]	R_{CU} [m Ω]	$Power_{loss}$ [W]	f_{RES} [MHz]	Copper ϕ [mm]	Weight [g]	Housings	Packing unit [pcs.]	Order Number
4	60	250	8	0.1	0.71	490 g	31-2P	2	DKLL-0231-0460
5	40	126	6.3	0.048	0.9	490 g	31-2P	2	DKLL-0231-0540
7	20	62	6	0.18	1.12	505 g	31-2P	2	DKLL-0231-0720
4	30	96	3	0.2	0.8	145 g	46-2P	10	DKLL-0246-0430
6	14	46	3.3	0.3	1	145 g	46-2P	10	DKLL-0246-0614

Availability for all products can be searched real-time:<http://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER>

Mouser Electronics

Authorized Distributor

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Schurter:

[DKLL-0231-0460](#) [DKLL-0231-0540](#) [DKLL-0231-0720](#) [DKLL-0246-0430](#) [DKLL-0246-0614](#)