

## Compensated High Current 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

### 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](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

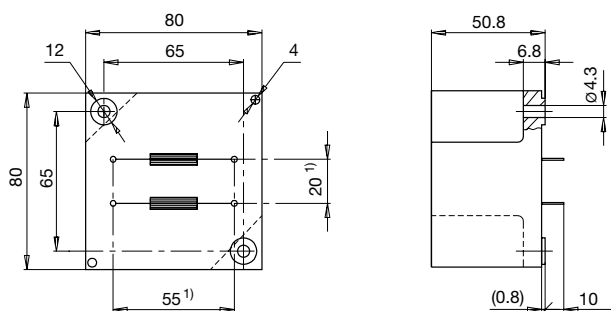
### Technical Data

|                           |                             |
|---------------------------|-----------------------------|
| Rated voltage             | up to 540 VAC               |
| Rated voltage             | up to 760 VDC               |
| Rated Current             | 10 - 20 A @ Ta 40 °C        |
| Rated inductance          | 1.1 - 12 mH, Tol. -30% +50% |
| Power Operating Frequency | 50 - 400 Hz                 |
| Terminal technic          | THT                         |
| Weight                    | 145 - 525 g                 |
| Material: Housing         | UL 94V-0                    |
| Sealing Compound          | UL 94V-0                    |

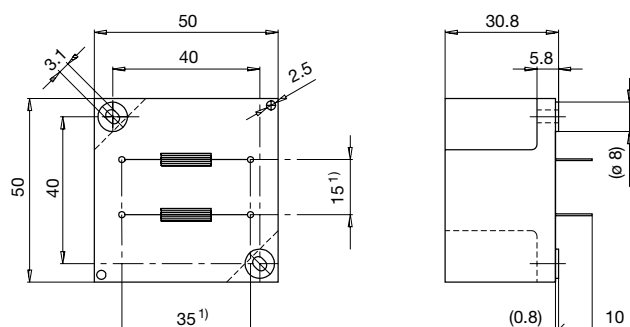
|                           |                                               |
|---------------------------|-----------------------------------------------|
| Test Voltage              | 2.5 kV, 50 Hz, 2 sec, winding to winding      |
| Isolation Voltage         | 2.5 kV eff., 50 Hz, 2 sec, winding to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

### Dimension

#### Case 31-2P



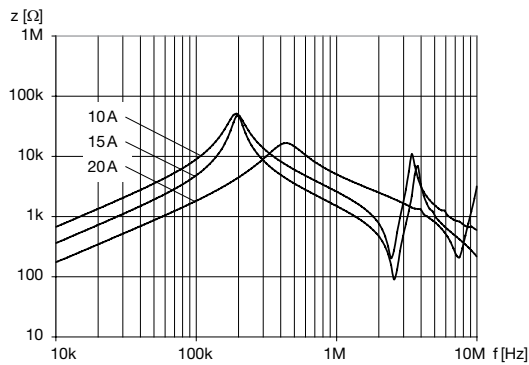
#### Case 46-2P



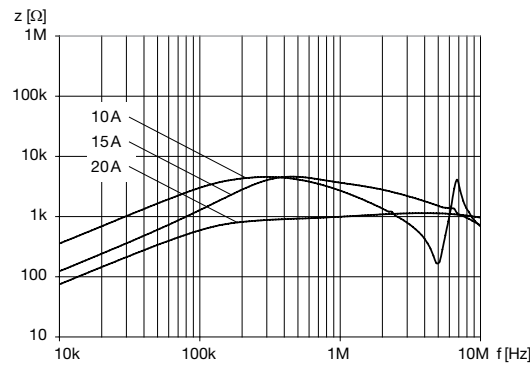
1) Spacing given at pin base

Impedance curves

DKIL-0231-xxxx



DKIL-0246-xxxx



All Variants

| $I_n$ [A] | $L_n$ [mH] | $R_{cu}$ [mΩ] | Tripped Power Dissipation [W] | $f_{RES}$ [MHz] | Copper $\varnothing$ [mm] | Weight [g] | Housing | Packing unit [pcs.] | Order Number                   |
|-----------|------------|---------------|-------------------------------|-----------------|---------------------------|------------|---------|---------------------|--------------------------------|
| 10        | 12         | 40            | 8                             | 0.15            | 1.25                      | 477 g      | 31-2P   | 2                   | <a href="#">DKIL-0231-1012</a> |
| 15        | 5          | 17            | 7.6                           | 0.33            | 1.6                       | 525 g      | 31-2P   | 2                   | <a href="#">DKIL-0231-1505</a> |
| 20        | 3          | 10            | 8                             | 0.55            | 1.8                       | 506 g      | 31-2P   | 2                   | <a href="#">DKIL-0231-2003</a> |
| 10        | 5          | 18            | 3.6                           | 0.35            | 1.25                      | 145 g      | 46-2P   | 10                  | <a href="#">DKIL-0246-1005</a> |
| 15        | 2          | 8             | 3.6                           | 0.6             | 1.6                       | 145 g      | 46-2P   | 10                  | <a href="#">DKIL-0246-1502</a> |
| 20        | 1.1        | 6             | 4.8                           | 2.5             | 1.8                       | 145 g      | 46-2P   | 10                  | <a href="#">DKIL-0246-2001</a> |

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

# AMEYA360

## Components Supply Platform

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