

## Linear/Saturating Choke



### Description

- Linear/saturating choke
- THT-terminals
- Low noise development by using iron powder toroids instead of conventional iron lamination cores
- Flange for mounting onto printed circuit board
- Fully potted resign

### Standards

- EN 60938

### Applications

- Phase angle control circuits with thyristors, triacs or transistors
- The choke acts at its optimum when it is mounted directly at the interference originator (thyristor, triac)

### Weblinks

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

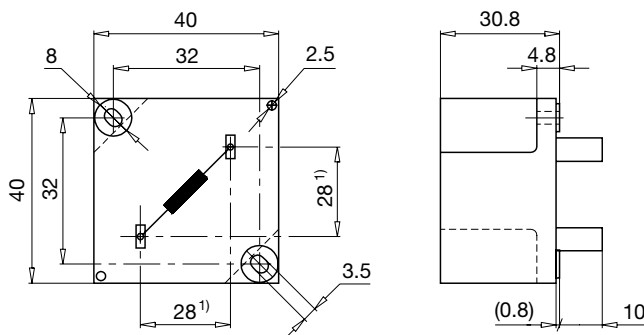
### Technical Data

|                           |                     |
|---------------------------|---------------------|
| Rated voltage             | up to 440VAC        |
| Rated Current             | 5 - 45 A @ Ta 45 °C |
| Power Operating Frequency | 50Hz                |
| Terminal technic          | THT, Flexible wire  |
| Weight                    | 144 - 1423 g        |
| Material: Housing         | UL 94V-0            |
| Sealing Compound          | UL 94V-0            |

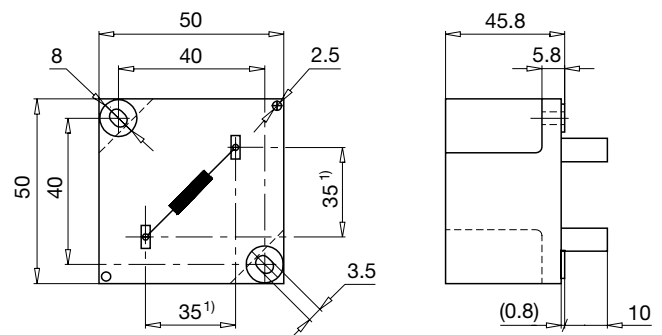
|                           |                               |
|---------------------------|-------------------------------|
| Isolation Voltage         | 2 kV eff., winding to ambient |
| Climatic Category         | 25/100/21 acc. to IEC 60068-1 |
| Allowable Operation Temp. | -25 °C to 100 °C      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

### Dimensions

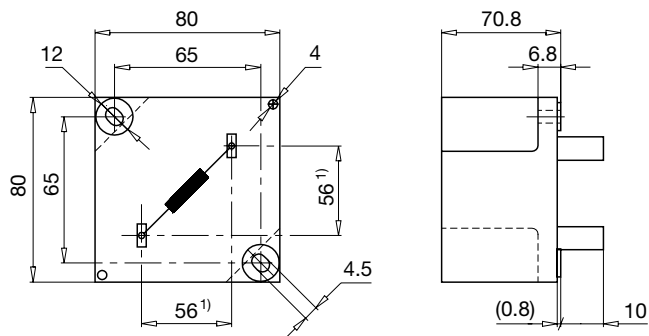
#### Case 25-P



#### Case 47-P

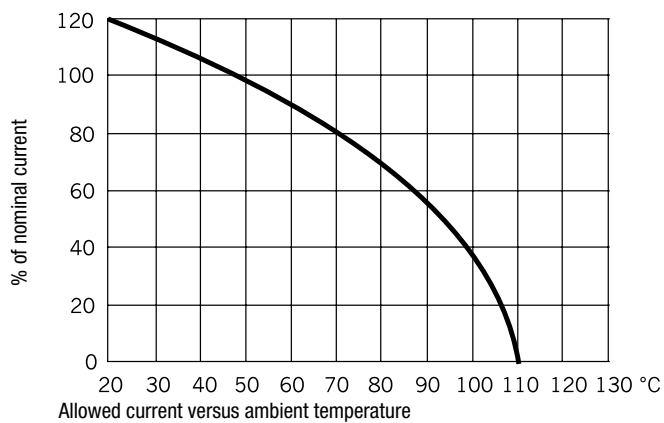


## Case 32-P



1) Spacing given at pin base

## Derating Curves



## Variants

| $I_n$ [A] | $L_n$ [mH] | Inductance drop max [%] | $R_{cu}$ [mΩ] | Tripped Power Dissipation | $f_{RES}$ [MHz] | $C_x$ [μF] | Copper ø [mm] | Weight [g] | Housing | Packing unit [pcs.] | Order Number   |
|-----------|------------|-------------------------|---------------|---------------------------|-----------------|------------|---------------|------------|---------|---------------------|----------------|
| 5         | 1          | 60                      | 120           | 3                         | 0.8             | 0.047      | 1             | 144 g      | 25-P    | 20                  | DLFL-0125-0501 |
| 8         | 0.5        | 60                      | 54            | 3.5                       | 1.32            | 0.1        | 1.25          | 154 g      | 25-P    | 20                  | DLFL-0125-08D5 |
| 45        | 0.2        | 70                      | 6             | 12                        | 1.1             | 1          | 5             | 1423 g     | 32-P    | 2                   | DLFL-0132-45D2 |
| 12        | 0.5        | 60                      | 38            | 5.5                       | 1.16            | 0.1        | 1.7           | 333 g      | 47-P    | 10                  | DLFL-0147-12D5 |
| 16        | 0.3        | 60                      | 25            | 6.4                       | 1.69            | 0.22       | 1.8           | 325 g      | 47-P    | 10                  | DLFL-0147-16D3 |
| 25        | 0.15       | 60                      | 10            | 6.3                       | 2.5             | 0.47       | 2.36          | 336 g      | 47-P    | 10                  | DLFL-0147-25D2 |
| 35        | 0.05       | 60                      | 5.3           | 6.5                       | 3.5             | 1.5        | 1.5 x 4.5     | 338 g      | 47-P    | 10                  | DLFL-0147-35C5 |

Inductance drop at  $I_n$