

Saturating Choke



Description

- Saturating choke
- THT-terminals
- Based on laminated iron core
- 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](#), [REACH](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

Technical Data

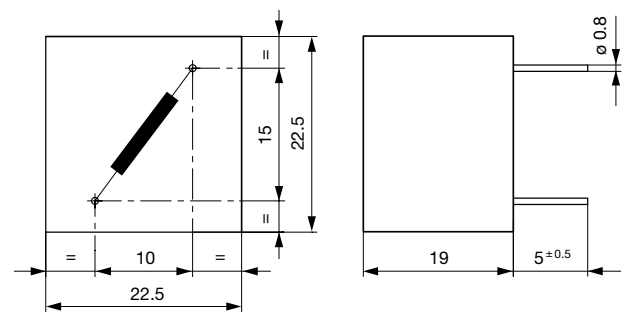
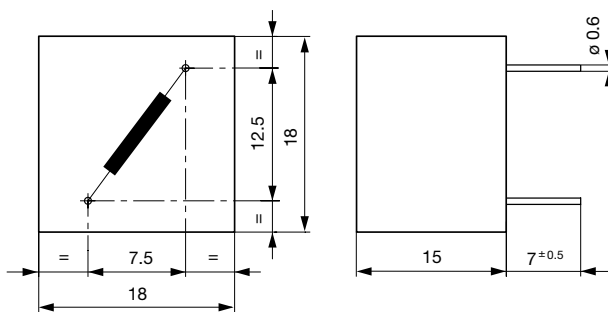
Rated voltage	up to 440 VAC
Rated Current	0.8 - 10 A @ Ta 45 °C
Power Operating Frequency	50/60 Hz
Terminal Type	THT, Flexible wire
Weight	14 - 86 g
Material: Housing	UL 94V-0
Sealing Compound	UL 94V-0

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

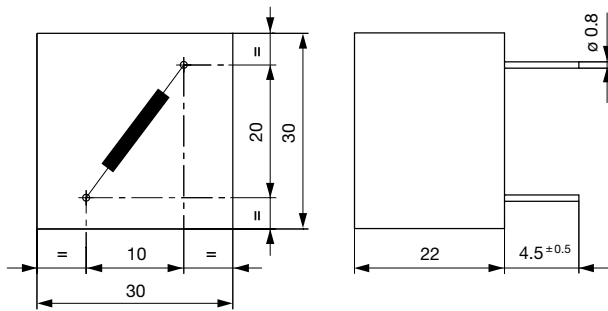
Dimension

Case 00

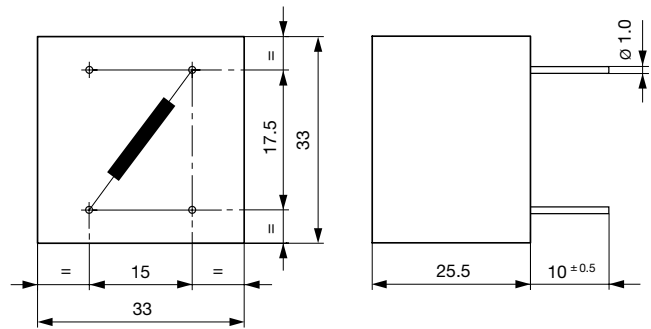
Case 08



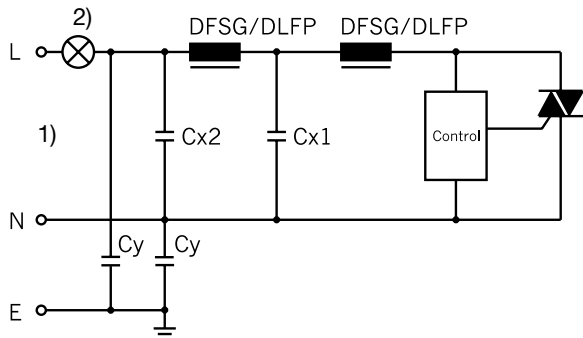
Case 17



Case 21

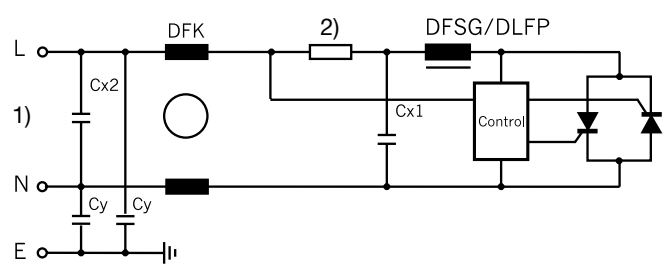


Diagrams



Interference suppression with resistive load, 2-phase

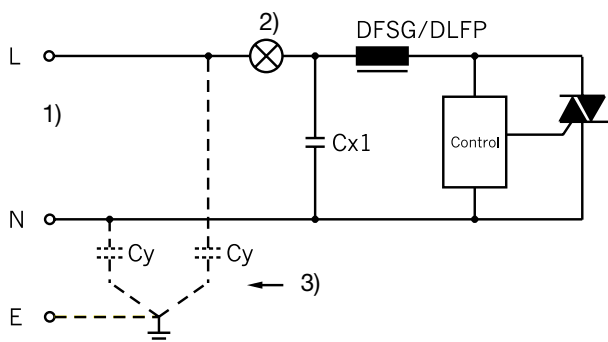
- 1) Line
- 2) Load



Interference suppression with resistive load, 2-stage

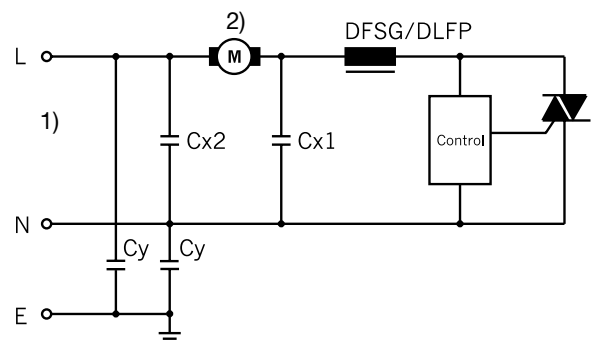
DFSG: Radio interference suppression saturation choke
DFK: Radio interference suppression choke magnetically condensated

- 1) Line
- 2) Load



Interference suppression with resistive load, < 10A, e.g. dimmers circuit (DFSG)

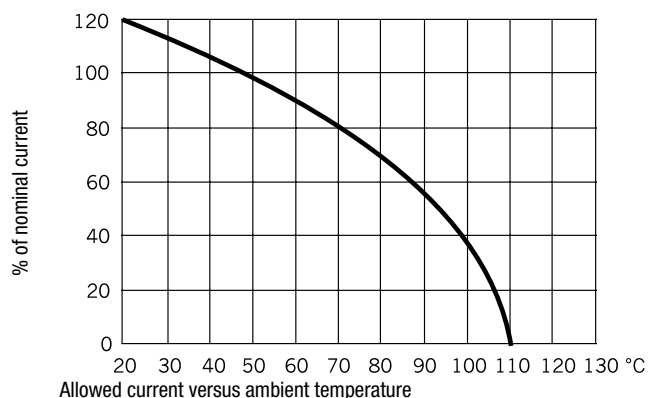
- 1) Line
- 2) Load
- 3) only to protection class I



Interference suppression with inductive load

- 1) Line
- 2) Load

Derating Curves



All Variants

I_n [A]	R_{cu} [mΩ]	Weight [g]	Housings	Packing unit [pcs.]	Order Number
0.8	1300	14g	00	90	DFSG-20-0001
1.5	450	14g	00	90	DFSG-20-0002
2	260	29g	08	25	DFSG-25-0001
3	100	29g	08	25	DFSG-25-0002
3	165	55g	17	30	DFSG-30-0001
6	60	55g	17	30	DFSG-30-0002
5	70	86g	21	30	DFSG-33-0001
10	30	86g	21	30	DFSG-33-0002

Most Popular.

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

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[DFSG-33-0002](#) [DFSG-33-0001](#) [DFSG-20-0001](#) [DFSG-20-0002](#) [DFSG-25-0002](#) [DFSG-30-0001](#) [DFSG-30-0002](#)
[DFSG-25-0001](#)