

Saturating Choke



Approvals and Compliances

Description

- Saturating choke
- THT-terminals
- Based on laminated iron core
- Fully potted resign

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

Technical Data

Rated voltage	up to 440 VAC
Rated Current	0.8 - 10A @ Ta 45 °C
Power Operating Frequency	50/60Hz
Terminal Type	THT, Flexible wire
Weight	14 - 86g
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

Approvals and Compliances

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

Application standards

Application standards where the product can be used

Organization	Design	Standard	Description
	Designed for applications acc.	IEC/UL 60950	IEC 60950-1 includes the basic requirements for the safety of information technology equipment.

Compliances

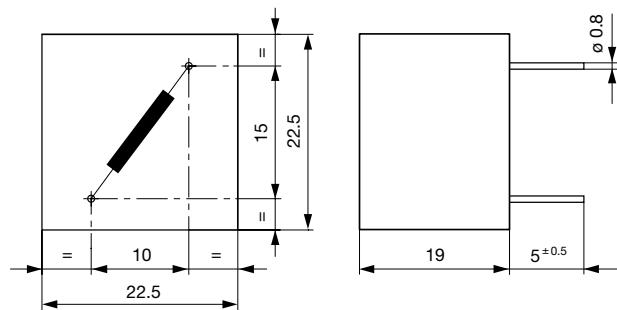
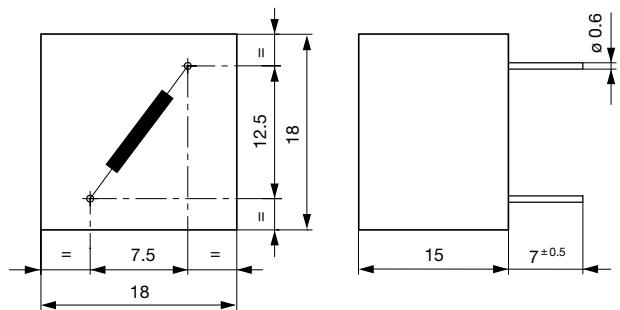
The product complies with following Guide Lines

Identification	Details	Initiator	Description
	CE declaration of conformity	SCHURTER AG	The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.
	RoHS	SCHURTER AG	EU Directive RoHS 2011/65/EU
	China RoHS	SCHURTER AG	The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS.
	REACH	SCHURTER AG	On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force.

Dimension [mm]

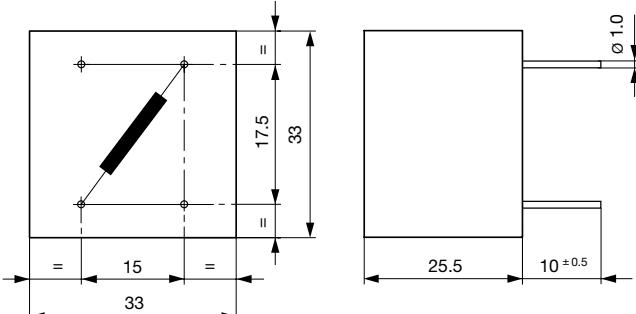
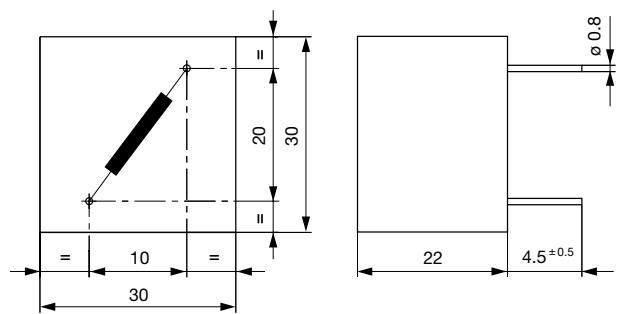
Case 00

Case 08

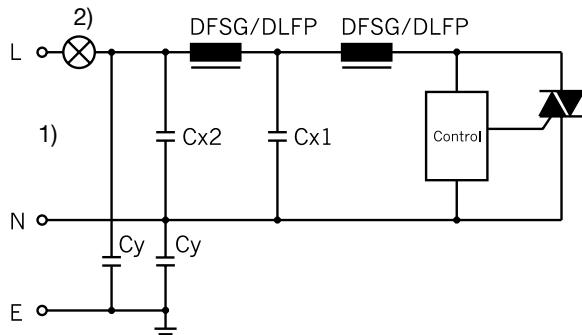


Case 17

Case 21

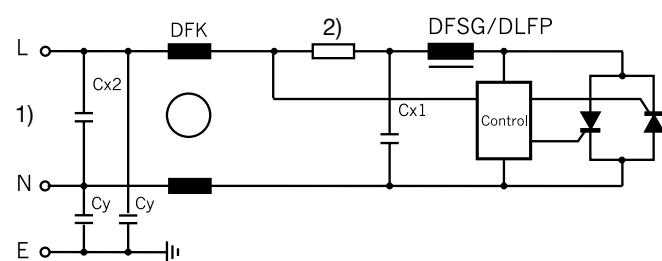


Diagrams



Interference suppression with resistive load, 2-phase

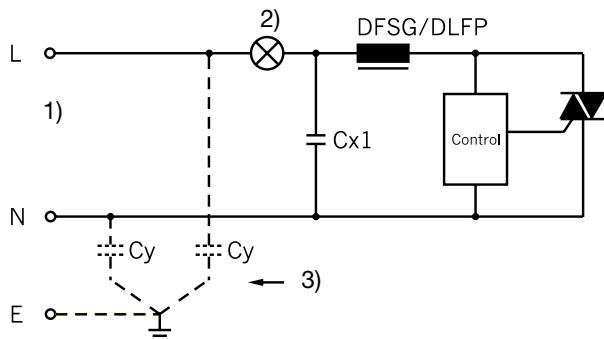
1) Line
2) Load



Interference suppression with resistive load, 2-stage

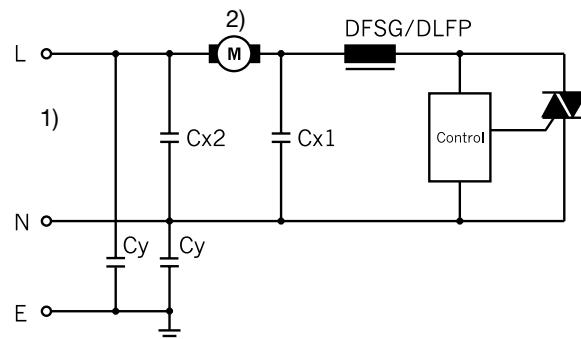
DFSG: Radio interference suppression saturation choke
DFK: Radio interference suppression choke magnetically condensed

1) Line
2) Load



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

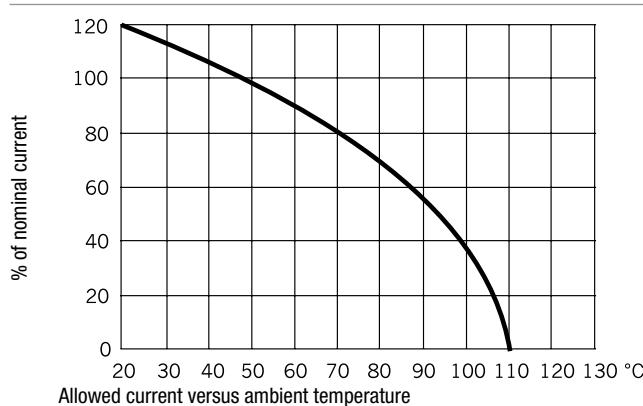
1) Line
2) Load
3) only to protection class I



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	14 g	00	90	DFSG-20-0001
1.5	450	14 g	00	90	DFSG-20-0002
2	260	29 g	08	25	DFSG-25-0001
3	100	29 g	08	25	DFSG-25-0002
3	165	55 g	17	30	DFSG-30-0001
6	60	55 g	17	30	DFSG-30-0002
5	70	86 g	21	30	DFSG-33-0001
10	30	86 g	21	30	DFSG-33-0002

■ Most Popular.

I _n [A]	R _{cu} [mΩ]	Weight [g]	Housings	Packing unit [pcs.]	Order Number
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Availability for all products can be searched real-time: <https://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER>
