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

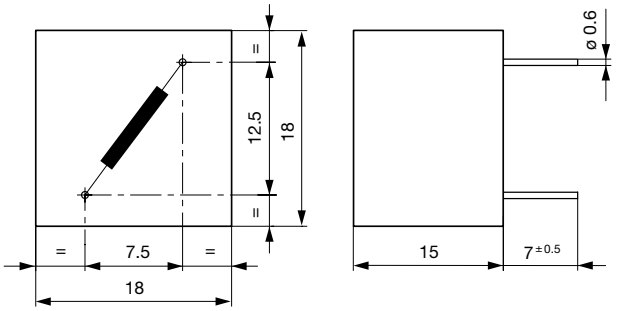
Rated voltage	up to 440 VAC
Rated Current	0.8 - 10 A @ Ta 45 °C
Power Operating Frequency	50/60 Hz
Terminal Type	THT, Flexible wire
Weight	14 - 86 g
Material: Housing	UL 94V-0
Sealing Compound	UL 94V-0

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

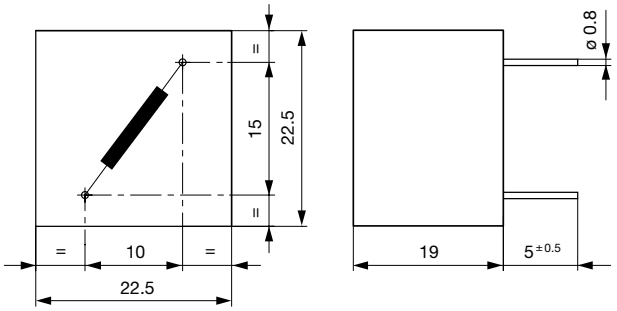
Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in General Product Information

Dimension

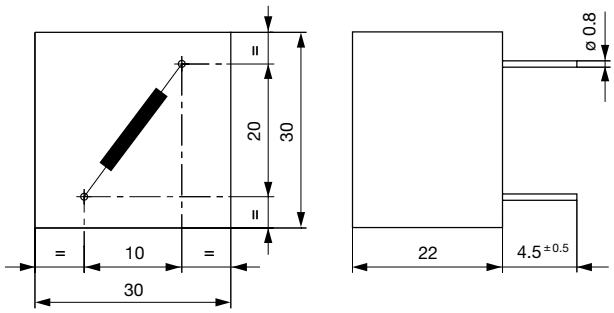
Case 00



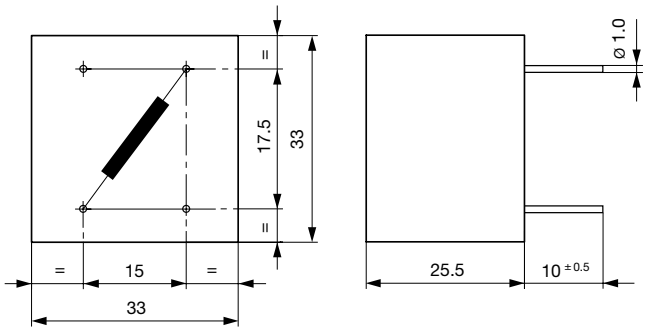
Case 08



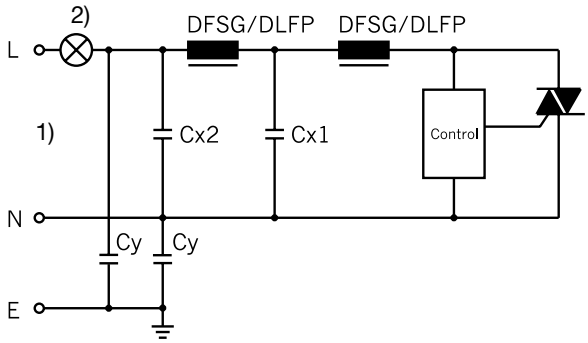
Case 17



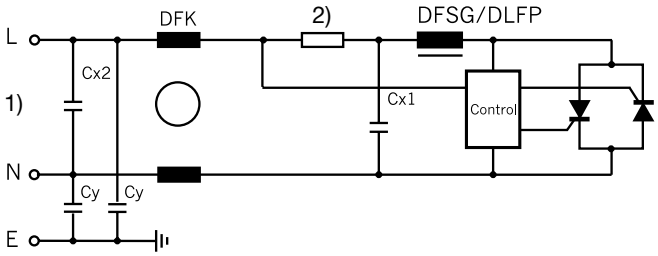
Case 21



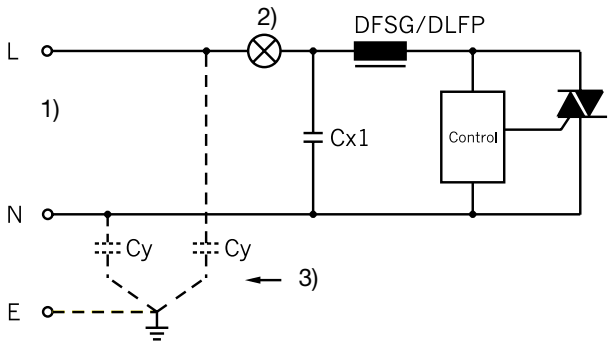
Diagrams



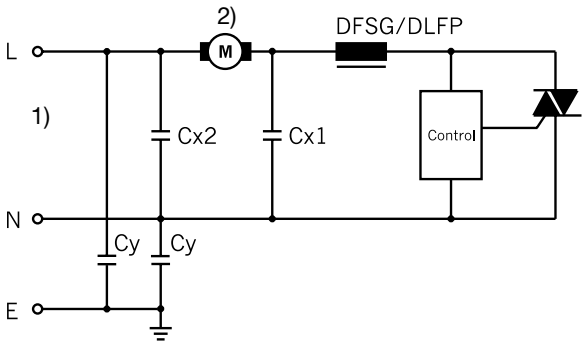
Interference suppression with resistive load, 2-phase
1) Line
2) Load



Interference suppression with resisitive load, 2-stage
DFSG: Radio interference suppression saturation choke
DFK: Radio interference suppression choke magnetically condensated
1) Line
2) Load

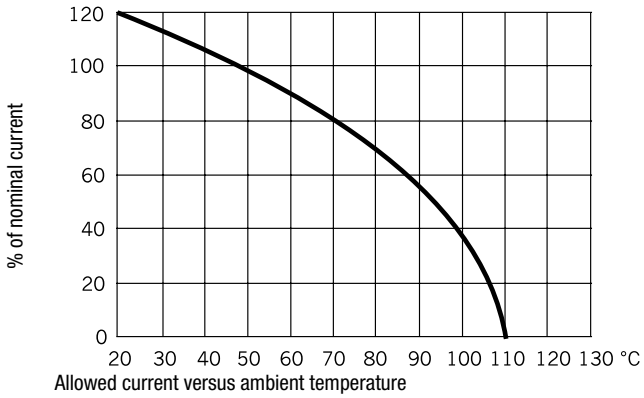


Interference suppression with resistive load, < 10A, e.g. dimmers circuit (DFSG)
1) Line
2) Load
3) only to protection class I



Interference suppression with inductive load
1) Line
2) Load

Derating Curves



Allowed current versus ambient temperature

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.

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

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The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments. Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability and test each product selected for their own applications.