

## 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)

**References**

[General Product Information](#)

**Weblinks**

[Approvals](#), [RoHS](#), [CHINA-RoHS](#), [e-Store](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#)

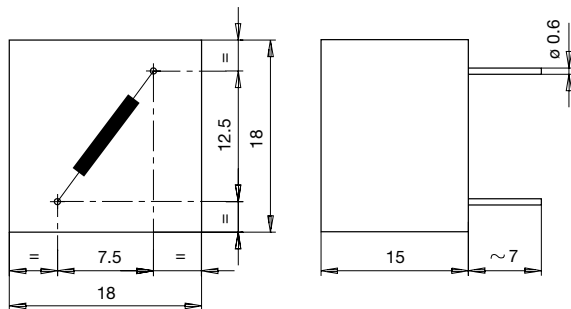
**Technical Data**

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

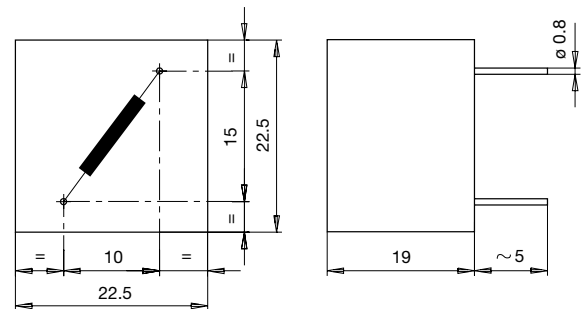
Isolation Voltage	2 kV eff., winding to ambient
Climatic Category	25/100/21 acc. to IEC 60068-1
Allowable Operation Temp.	-25 °C to 100 °C

**Dimensions**

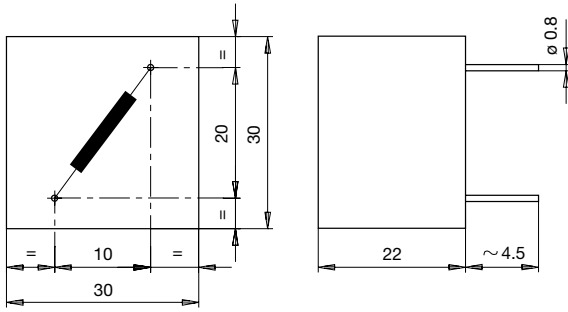
## Case 00



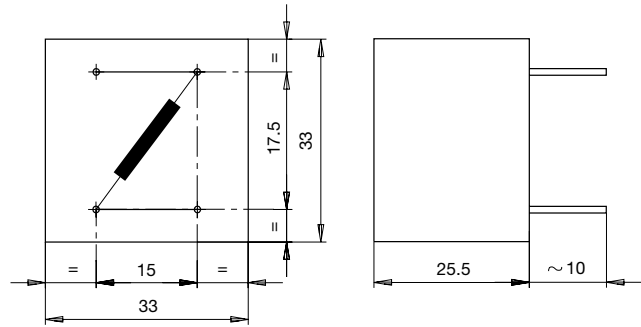
## Case 08



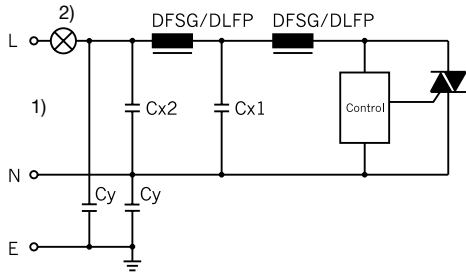
Case 17



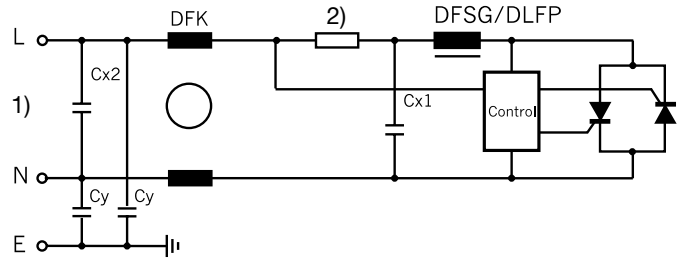
Case 21



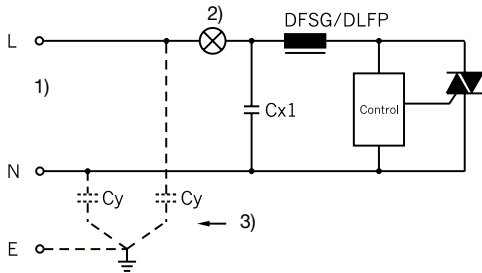
## Diagrams



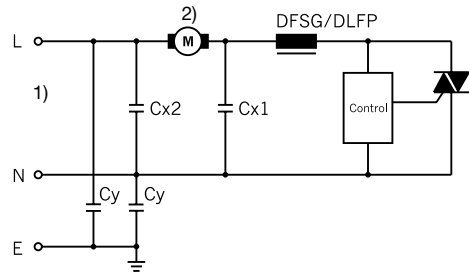
1) Line  
2) Load  
Interference suppression with resistive load, 2-phase



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

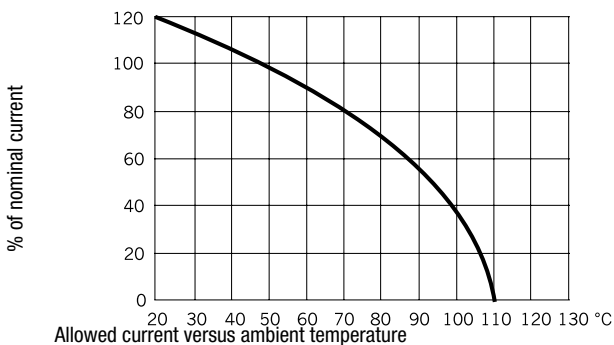


1) Line  
2) Load  
3) only to protection class I  
Interference suppression with resistive load, < 10A, e.g. dimmers circuit (DFSG)



1) Line  
2) Load  
Interference suppression with inductive load

## Derating Curves



## Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

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