

Linear/Saturating Choke



Description

- Linear/saturating choke
- Flexible wire
- Low noise development by using iron powder toroids instead of conventional iron lamination cores
- 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](#)

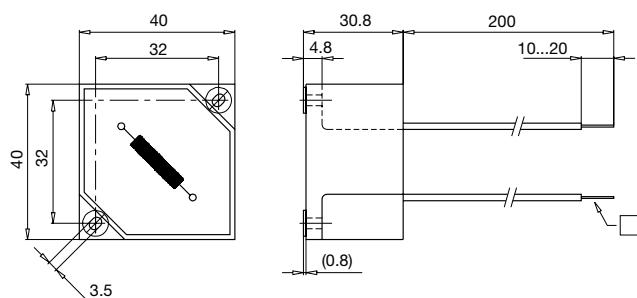
Technical Data

Rated voltage	up to 440VAC
Rated Current	5 - 45 A @ Ta 45 °C
Power Operating Frequency	50Hz
Terminal technic	THT, Flexible wire
Weight	149 - 1423 g
Material: Housing	UL 94V-0
Sealing Compound	UL 94V-0

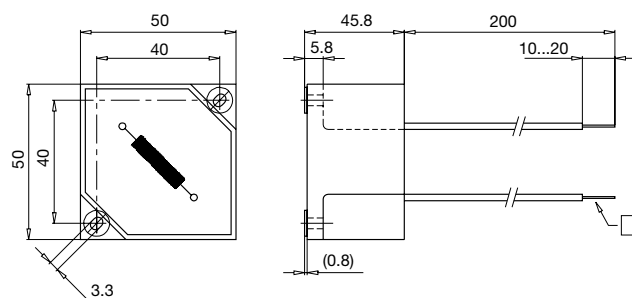
Isolation Voltage	2 kV eff., winding to ambient
Climatic Category	25/100/21 acc. to IEC 60068-1
Allowable Operation Temp.	-25 °C to 100 °C

Dimension

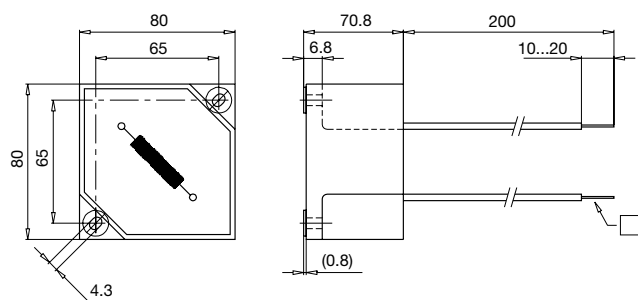
Case 25W



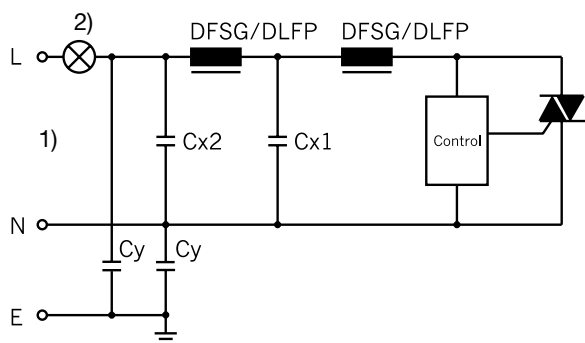
Case 47W



Case 32W

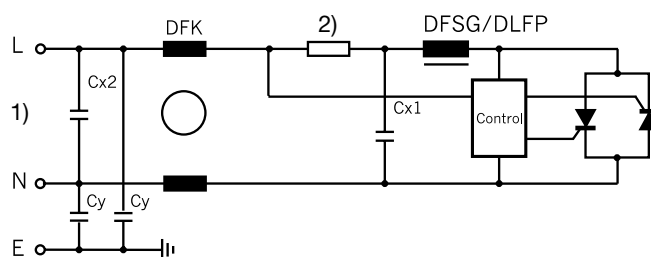


Diagrams



Interference suppression with resistive load, 2-phase

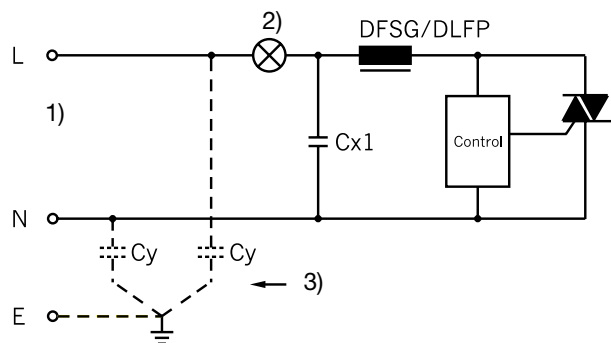
- 1) Line
2) Load



Interference suppression with resistive load, 2-stage

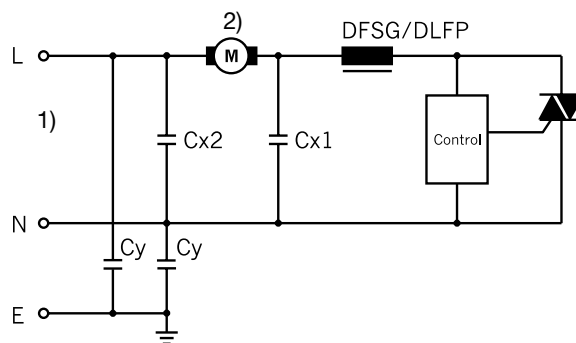
- DFSG: Radio interference suppression saturation choke
DFK: Radio interference suppression choke magnetically condensated

- 1) Line
2) Load



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

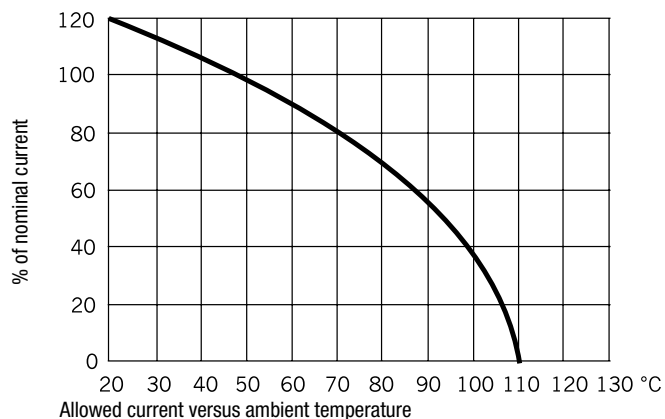
- 1) Line
2) Load
3) only to protection class I



Interference suppression with inductive load

- 1) Line
2) Load

Derating Curves



All Variants

I_n [A]	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	149 g	25W	10	DLFP-0125-0501
8	0.5	60	54	3.5	1.32	0.1	1.25	150 g	25W	10	DLFP-0125-08D5
45	0.2	70	6	12	1.1	1	5	1423 g	32W	2	DLFP-0132-45D2
12	0.5	60	38	5.5	1.16	0.1	1.7	350 g	47W	6	DLFP-0147-12D5
16	0.3	60	25	6.4	1.69	0.22	1.8	320 g	47W	6	DLFP-0147-16D3
25	0.15	60	10	6.3	2.5	0.47	2.36	350 g	47W	6	DLFP-0147-25D2
35	0.05	60	5.3	6.5	3.5	1.5	1.5 x 4.5	338 g	47W	6	DLFP-0147-35C5

Most Popular.

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

Inductance drop at I_n