

Magnetically Compensated Choke, 1-phase, flat design

**Description**

- 1-phase choke
- Magnetically compensated
- THT-terminals
- Inductor horizontally positioned in housing
- SMD version on request

Standards

- IEC/EN 60938-2

Applications

- Attenuation of common mode interferences
- Designed for 230/400 VAC applications
- Chopper amplifiers
- DC drives and stepper motor controls
- Switching power supplies

References

General Product Information

Weblinks

RoHS: <http://www.schurter.com/rohs>

Technical Data

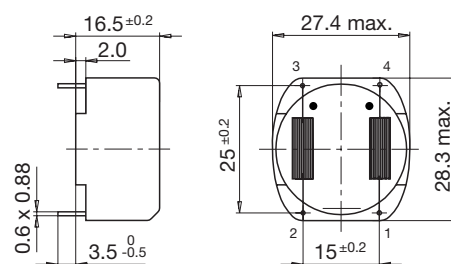
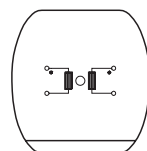
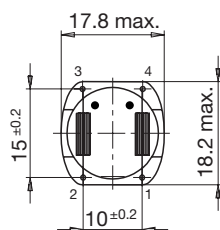
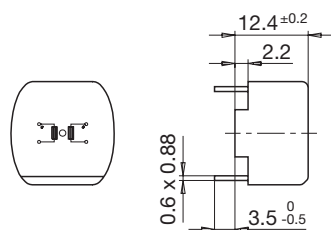
Rated Voltage	up to 440 VAC
Rated Current	0.4 - 6.3 A @ Ta 40 °C
Rated inductance	0.6 - 40 mH, Tol. -30% +50%
Power Operating Frequency	50 - 400 Hz
Terminal technic	THT
Weight	5 - 16 g
Material: Housing	UL 94V-0
Sealing Compound	UL 94V-0

Test Voltage	1.8 kV, 50 Hz, 1 min, winding to winding
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

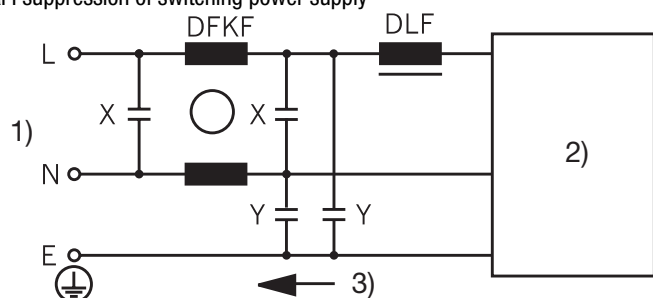
Case 04-2

Case 15-2



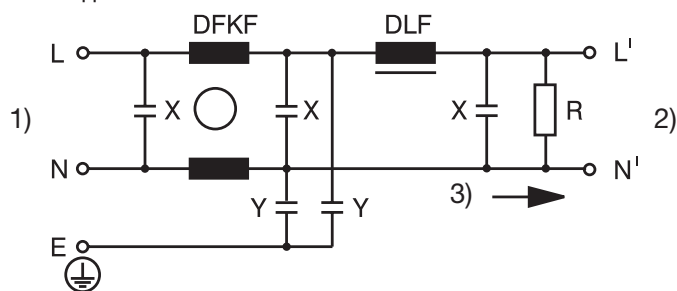
Diagrams

RFI suppression of switching power supply



- 1) Power line
2) Switching Power Supply
3) Interference current

Noise suppression filter



- 1) Power line
2) Equipment
3) Interference current

Variants

In [A]	Ln [mH]	Rcu [mΩ]	Ploss [W]	fRES [MHz]	Weight [g]	Case	Packing unit [pcs.]	Order Number
0.4	40	1200	0.4	0.11	5	04-2	45	DFKF-18-0001
0.6	15	540			5	04-2	45	DFKF-18-0002
1.2	6.8	200	0.6	0.45	5	04-2	45	DFKF-18-0003
1.5	3.3	110	0.5	1.2	5	04-2	45	DFKF-18-0004
2	2	60			5	04-2	45	DFKF-18-0005
4	0.7	16	0.5	2.5	5	04-2	45	DFKF-18-0006
0.6	40	1000	0.7	0.2	16	15-2	40	DFKF-28-0001
1	20	360	0.7	0.28	16	15-2	40	DFKF-28-0002
1.4	27	310			16	15-2	40	DFKF-28-0003
2	6	100	0.8	0.3	16	15-2	40	DFKF-28-0004
4	1.5	28	0.9	1.3	16	15-2	40	DFKF-28-0005
6.3	0.6	13	1	2.5	16	15-2	40	DFKF-28-0006