

Magnetically Compensated Choke, 1- and 3-phase



Description

- Current compensated choke
- 1- or 3-phase choke
- THT terminals or wire leads
- Flange for mounting onto printed circuit board
- Fully potted resign

Standards

- EN 60938
- UL 1283
- CSA 22.2 no 8

Applications

- Attenuation of common mode interferences
- May also be used in direct current applications where magnetic compensation is required
- Designed for 230/400 VAC applications

Weblinks

[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

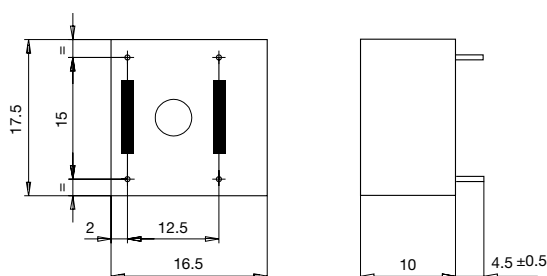
Technical Data

Rated voltage	up to 440 VAC
Rated Current	0.5 - 15 A @ Ta 40 °C
Rated inductance	1 - 20 mH, Tol. -30% +50%
Power Operating Frequency	50 - 400 Hz
Terminal technic	THT, Flexible wire
Weight	6 - 163 g
Material: Housing	UL 94V-0
Sealing Compound	UL 94V-0

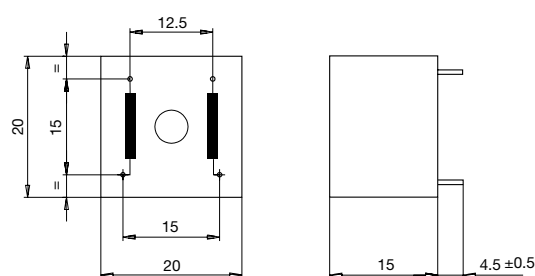
Test Voltage	1.8 kV, 50 Hz, 1 min, winding to winding
Isolation Voltage	2 kV eff., winding to ambient
Climatic Category	25/100/21 acc. to IEC 60068-1
Allowable Operation Temp.	-25 °C to 100 °C

Dimension

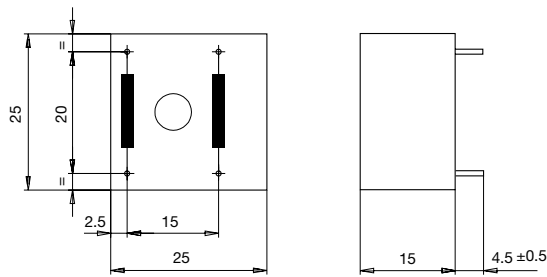
Case 03



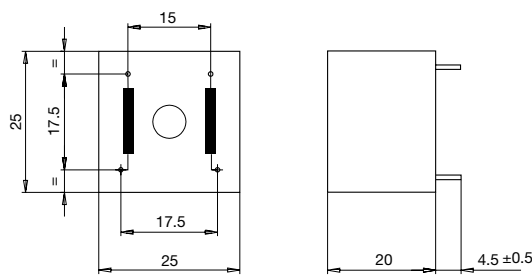
Case 07



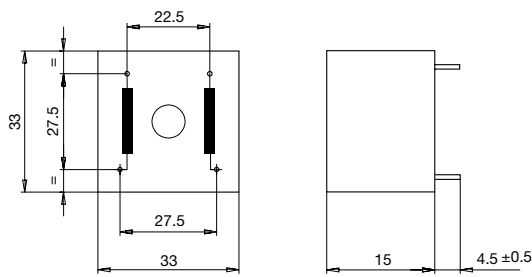
Case 11



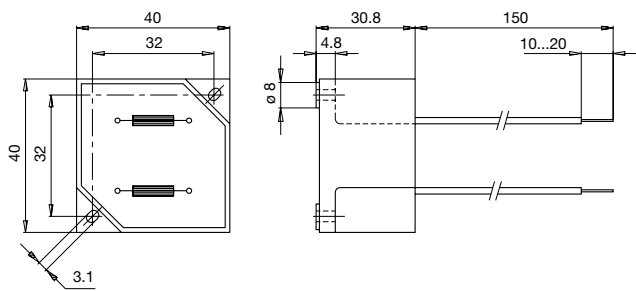
Case 12



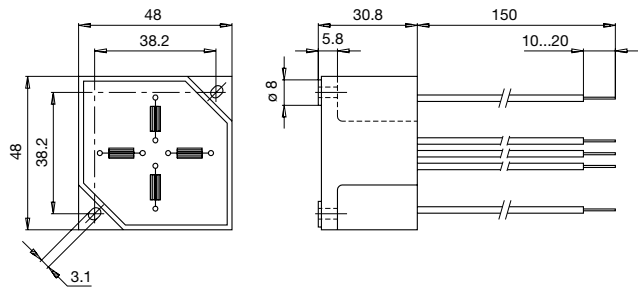
Case 20



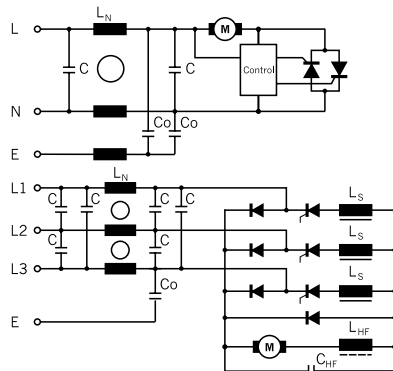
Case 25-2



Case 29-4



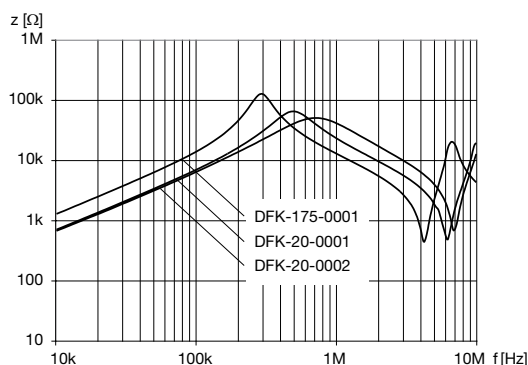
Diagrams



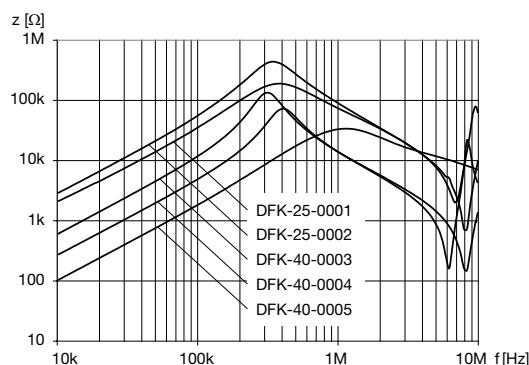
L_N : Radio interference suppression choke (magnetically compensated DF)
 L_S : Radio interference suppression choke (magnetically saturated DFS/DFL)

Impedance curves

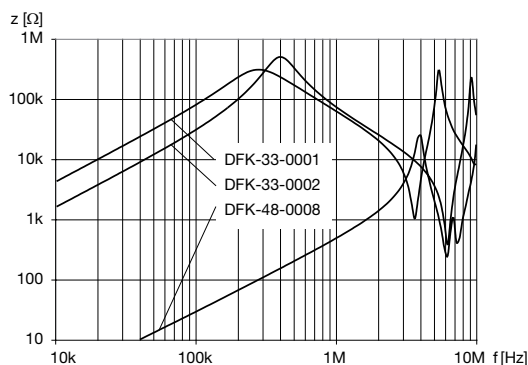
DFK-175-xxxx, DFK-20-xxxx



DFK-25-xxxx, DFK-40-xxxx



DFK-33-xxxx, DFK-48-xxxx



All Variants

I_n [A]	L_n [mH]	R_{cu} [mΩ]	f_{RES} [MHz]	Copper ϕ [mm]	Weight [g]	Housing	Packing unit [pcs.]	Order Number
0.5	10	900	0.5	0.5	6 g	03	100	DFK-175-0001
1	10	500	0.7	0.6	12 g	07	150	DFK-20-0001
1	20	500	0.5	0.6	12 g	07	150	DFK-20-0002
1	10	510	0.5	0.6	18 g	11	50	DFK-25-0001
2	10	250	0.5	0.6	18 g	12	50	DFK-25-0002
2	20	250	0.3	0.6	37 g	20	45	DFK-33-0001
3	10	150	0.38	0.6	37 g	20	45	DFK-33-0002
6	4	27	0.4	-	127 g	25-2	10	DFK-40-0003
10	2	9	1.45	-	127 g	25-2	10	DFK-40-0004
15	1	10	1.45	2.5 x 2.5	127 g	25-2	10	DFK-40-0005
6	4 x 1.5	20	0.2	1.5 x 1.5	163 g	29-4	10	DFK-48-0008

I _n [A]	L _n [mH]	R _{cu} [mΩ]	f _{RES} [MHz]	Copper ø [mm]	Weight [g]	Housing	Packing unit [pcs.]	Order Number
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Availability for all products can be searched real-time:<http://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER>

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