

Magnetically Compensated Choke, 1-phase, high design



See below:

Approvals and Compliances

Description

- Current compensated choke
- 1-phase choke
- THT-terminals
- Inductor vertically positioned in housing

Applications

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

Weblinks

[pdf data sheet](#), [html datasheet](#), [General Product Information](#), [Approvals](#), [Distributor-Stock-Check](#), [Detailed request for product](#), [SPICE Library](#)

Technical Data

Rated voltage	up to 440 VAC
Rated Current	0.6 - 6.3A @ Ta 40 °C
Rated inductance	0.6 - 50mH, Tol. -30% +50%
Power Operating Frequency	50 - 400Hz
Terminal Type	THT
Weight	3 - 30g
Material: Housing	UL 94V-0
Sealing Compound	UL 94V-0

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

Approvals and Compliances

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [Details about Approvals](#)

SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

Approvals

The approval mark is used by the testing authorities to certify compliance with the safety requirements placed on electronic products.

Approval Reference Type: DFKH

Approval Logo	Certificates	Certification Body	Description
	UL Approvals	UL	UL File Number: E72928

Application standards

Application standards where the product can be used

Organization	Design	Standard	Description
	Designed for applications acc.	IEC/UL 62368-1	IEC 62368-1 includes the basic requirements for safety of audio, video, information technology and office equipment.

Compliances

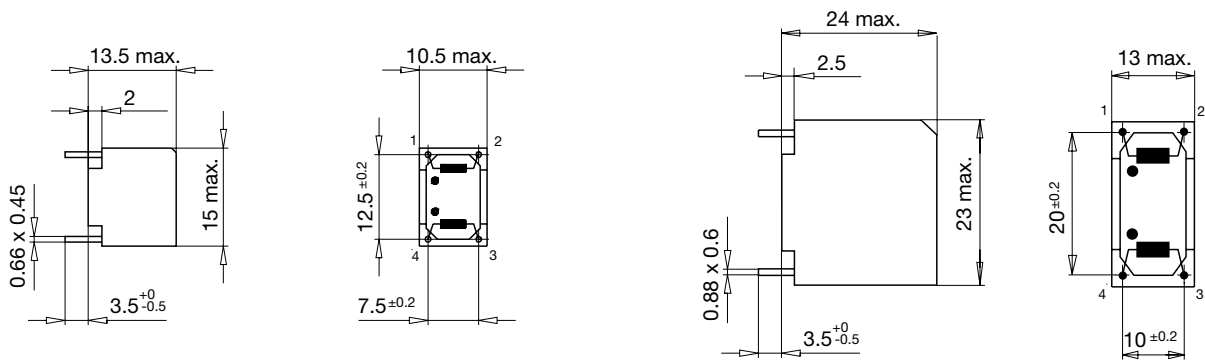
The product complies with following Guide Lines

Identification	Details	Initiator	Description
	CE declaration of conformity	SCHURTER AG	The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.
	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
	China RoHS	SCHURTER AG	The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS.
	REACH	SCHURTER AG	On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force.

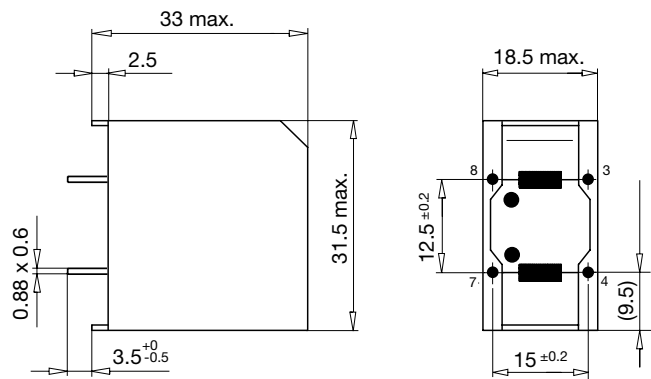
Dimension [mm]

Case 50-2, 51-2, 52-2

Case 09-2

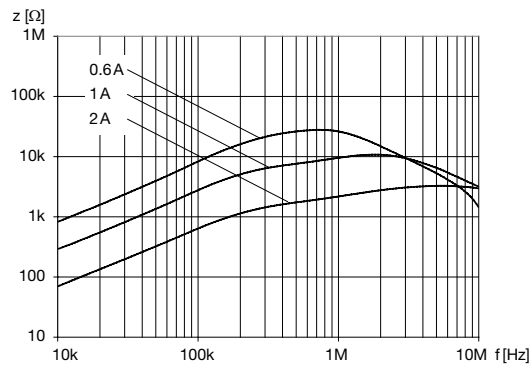


Case 19-2

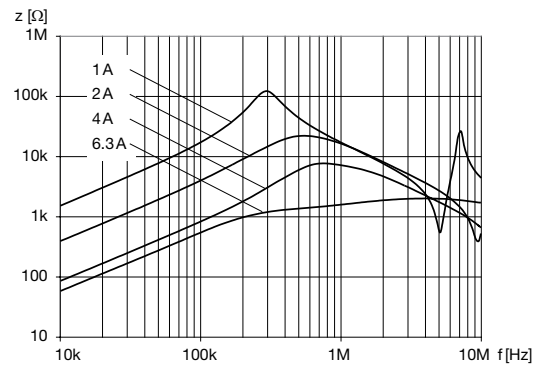


Impedance curves

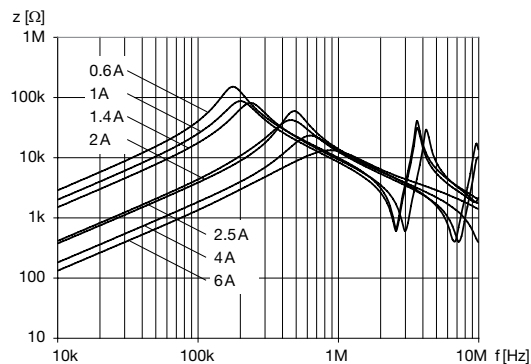
DFKH-14-xxxx



DFKH-22-xxxx



DFKH-31-xxxx



All Variants

I_n [A]	L_n [mH]	R_{CU} [mΩ]	Tripped Power Dissipation [W]	f_{RES} [MHz]	Weight [g]	Housings	Packing unit [pcs.]	Order Number
0.6	11	600	0.5	0.5	3g	50-2	100	DFKH-14-0001
0.6	50	1200	0.9	0.15	22g	19-2	70	DFKH-31-0001
1	20	500	1	0.25	10g	09-2	50	DFKH-22-0002
1	33	700	1.4	0.25	30g	19-2	70	DFKH-31-0002
1	4	250	0.5	1.2	3g	51-2	100	DFKH-14-0002
1.4	27	470	1.8	0.3	30g	19-2	70	DFKH-31-0003
2	1	65	0.5	2.5	3g	52-2	100	DFKH-14-0003
2	6	150	1.3	0.6	10g	09-2	50	DFKH-22-0003
2	6.8	150	1.2	0.5	30g	19-2	70	DFKH-31-0005
2.5	5.6	110	-	-	30g	19-2	70	DFKH-31-0006
4	1.5	36	1.2	1.5	10g	09-2	50	DFKH-22-0004
4	3.3	58	1.8	0.8	30g	19-2	70	DFKH-31-0007
6	2	24	1.8	1.2	30g	19-2	70	DFKH-31-0008
6.3	0.6	15	1.4	2.5	10g	09-2	50	DFKH-22-0005

Most Popular.

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