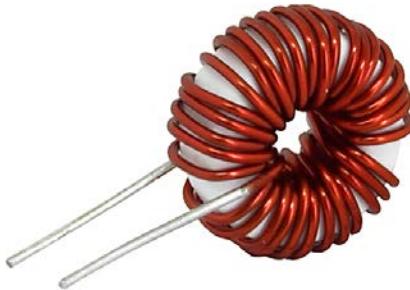


Linear Choke, open version, without socket



See below:
Approvals and Compliances

Description

- Linear choke
- Wire leads
- Open version without socket and chassis

Applications

- Smoothing RFI suppression choke
- RFI suppression choke
- 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](#)

Technical Data

	to 600 VDC
Rated Current	0.45 - 7 A @ Ta 70 °C
Rated inductance	0.02 - 5mH, Tol. ±15%
Power Operating Frequency	up to 20kHz
Terminal Type	Wire leads
Weight	10 - 12g

Isolation Voltage	2 kV eff., winding to ambient
Climatic Category	40/125/21 acc. to IEC 60068-1
Allowable Operation Temp.	-40 °C to 125 °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.

Application standards

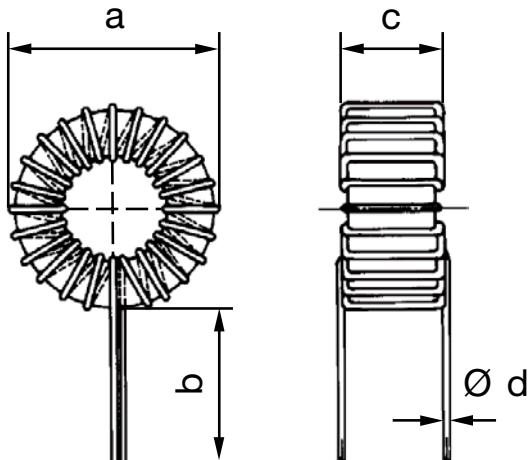
Application standards where the product can be used

Organization	Design	Standard	Description
 IEC	Designed for applications acc.	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements
 IEC	Designed for applications acc.	IEC 60601-1	Medical electrical equipment - Part 1: General requirements for basic safety and essential performance

Compliances

The product complies with following Guide Lines

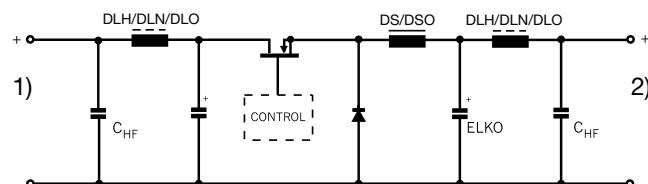
Identification	Details	Initiator	Description
CE	CE declaration of conformity	SCHURTER AG	The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.
UKCA	UKCA declaration of conformity	SCHURTER AG	The UKCA marking declares that the product complies with the applicable requirements laid down in the British Amendment of Regulation (EC) 765/2008.
RoHS	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
China RoHS	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	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]

Dimensions: see table of variants

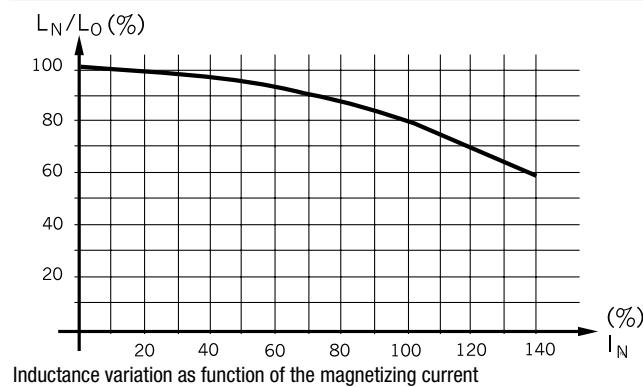
Diagrams

Application in DC-DC Converter



- 1) DC-Input unregulated
- 2) DC-Output regulated

Derating Curves



All Variants

I _n [A]	L _n [mH]	R _{cu} [mΩ]	f _{RES} [MHz]	Inductance drop max [%]	A [mm]	B [mm]	C [mm]	D [mm]	Weight [g]	Packing unit [pcs.]	Order Number
0.45	5	3000	0.3	20	20 mm	15 mm	10 mm		10g	200	DL01-24-0008
0.6	3	1550	0.4	20	20 mm	36 mm	10 mm		11g	200	DL01-24-0007
1.0	1	600	0.8	20	20 mm	15 mm	10 mm		10g	200	DL01-24-0006
1.5	0.5	280	1.3	20	20 mm	15 mm	10 mm		10g	200	DL01-24-0005
1.8	0.3	178	2	20	20 mm	15 mm	10 mm		10g	200	DL01-24-0004
3	0.1	70	8.2	20	20 mm	36 mm	10 mm		10g	200	DL01-24-0003
4.5	0.05	26	8.4	20	20 mm	15 mm	10 mm	0.9 mm	11g	200	DL01-24-0002
7	0.02	12	20.2	20	20 mm	36 mm	10 mm	1.2 mm	12g	150	DL01-24-0001

R_{cu} bei T_u 20°C

Inductance drop with I_n

Derating at T_u > 70°C: I = I_{nx} ((125 - T_u) / 55)^{0.5}

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