

Compensated High Current Choke, 3-phase and neutral line



See below:  
**Approvals and Compliances**

#### Description

- Current compensated choke
- 3-phase and neutral line
- THT-terminals
- Flange for mounting onto printed circuit board

#### Unique Selling Proposition

- Compact size and light weight
- Open design optimizes heat dissipation
- Nanocrystalline ring cores (NK)
- Customer specific pin outs available

#### Applications

- Frequency converter
- Charge stations
- UPS-systems

#### Weblinks

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

#### Technical Data

Rated voltage	500/760 VAC/VDC
Rated Current	10 - 40 A @ Ta 40 °C
Rated inductance	0.75 - 6.5 mH, Tol. -30% +50%
Power Operating Frequency	0 - 400 Hz
Terminal Type	THT
Weight	100 - 165 g
Material	UL 94V-0

Test Voltage	500V: 2150VDC, 2 sec, winding to winding
	760V: 3300VDC, 2 sec, winding to winding
Climatic Category	40/100/21 acc. to IEC 60068-1
Allowable Operation Temp.	-40 °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.

#### Application standards

Application standards where the product can be used

Organization	Design	Standard	Description
	Suitable for applications acc.	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements

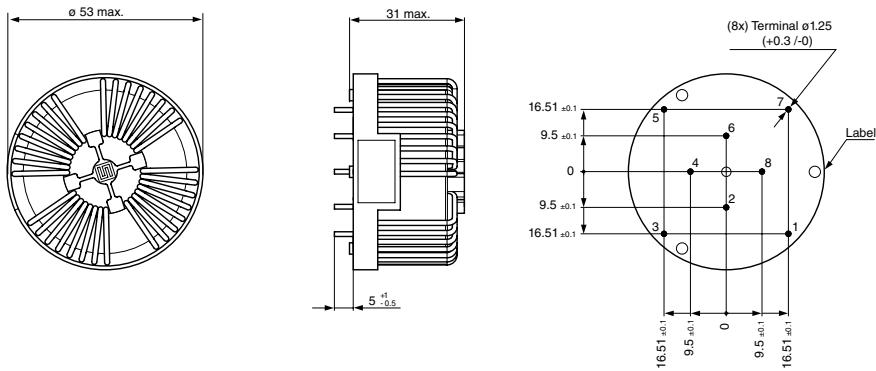
#### Compliances

The product complies with following Guide Lines

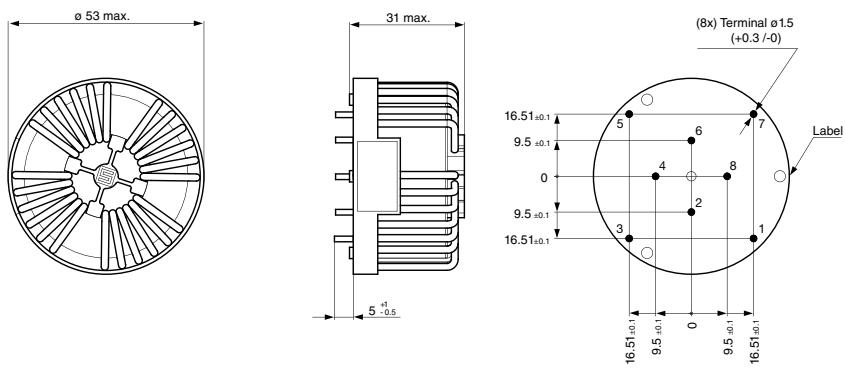
Identification	Details	Initiator	Description
	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
	China RoHS	SCHURTER AG	The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS.
	REACH	SCHURTER AG	On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force.

## Dimension [mm]

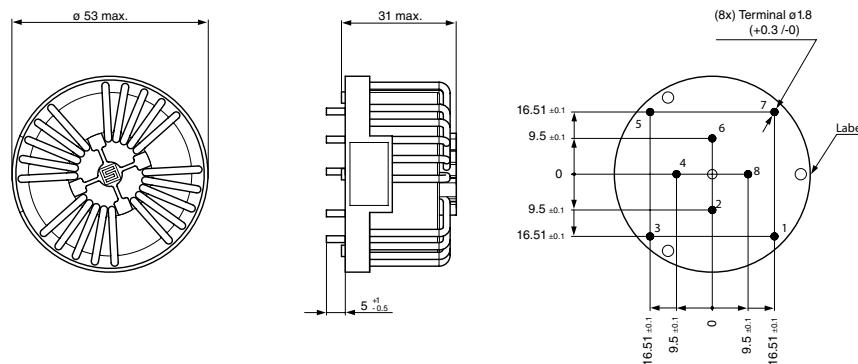
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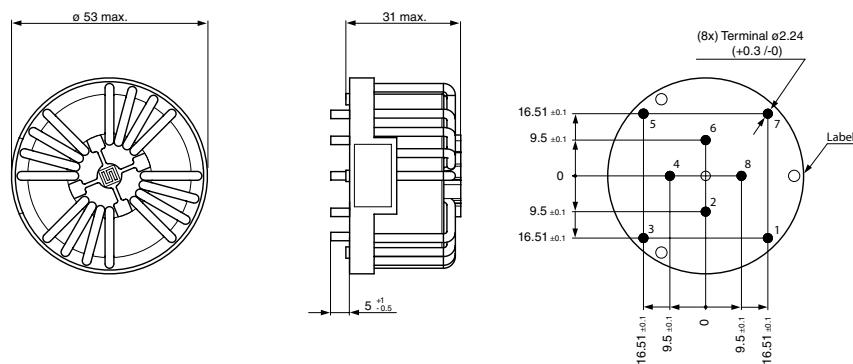
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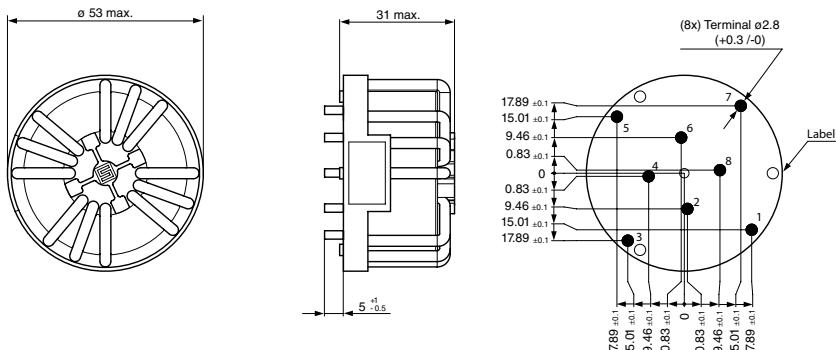
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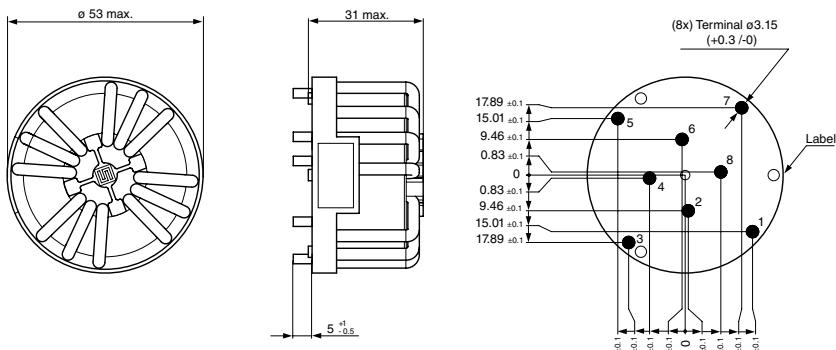
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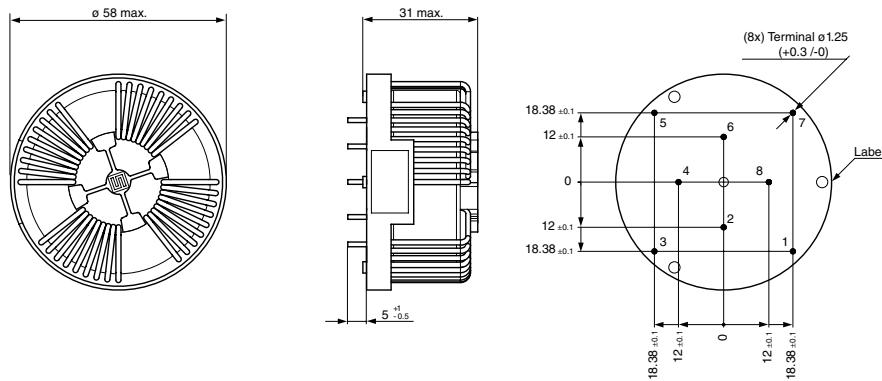
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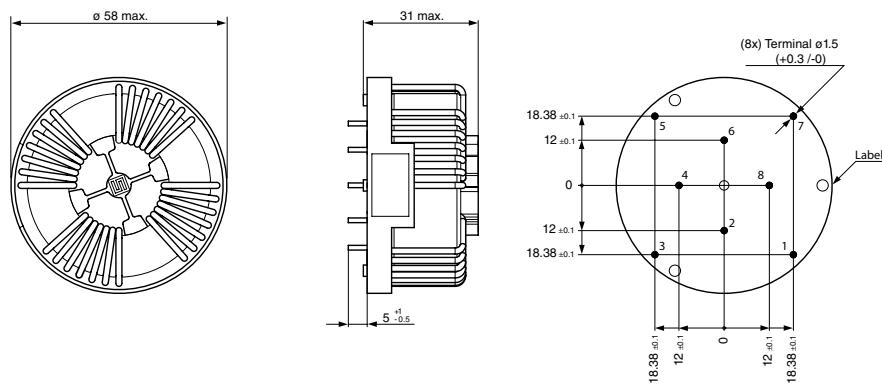
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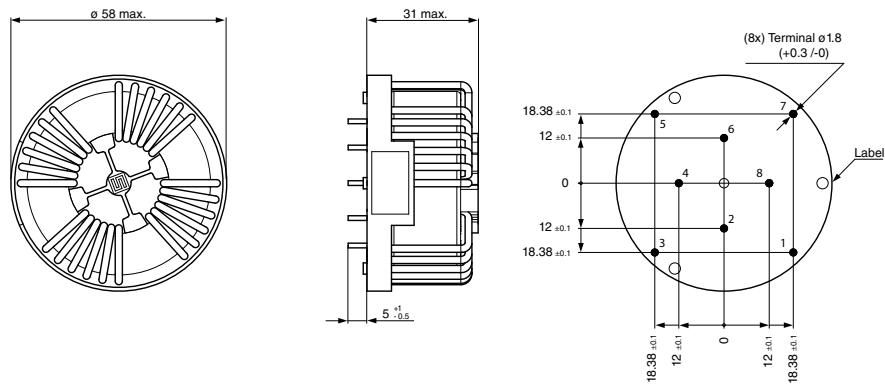
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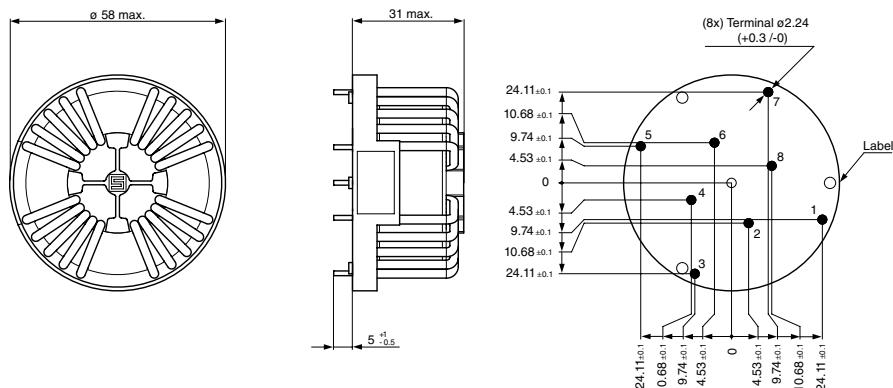
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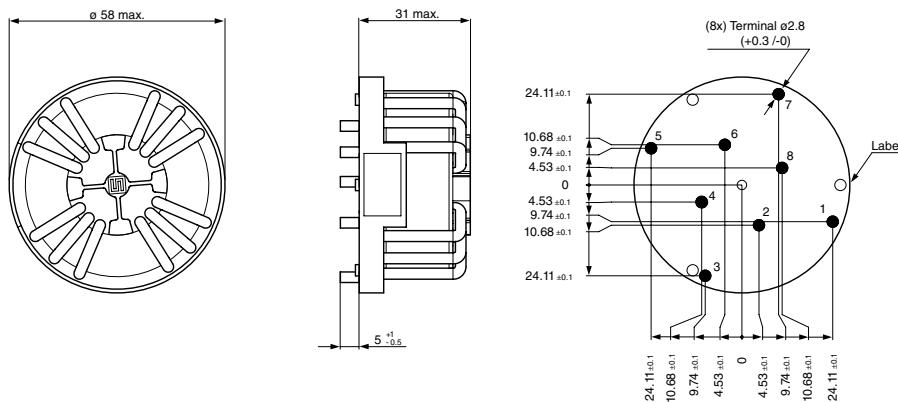
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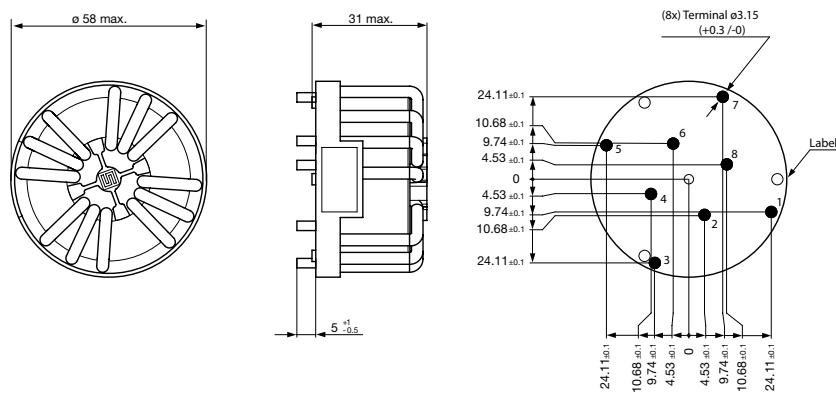
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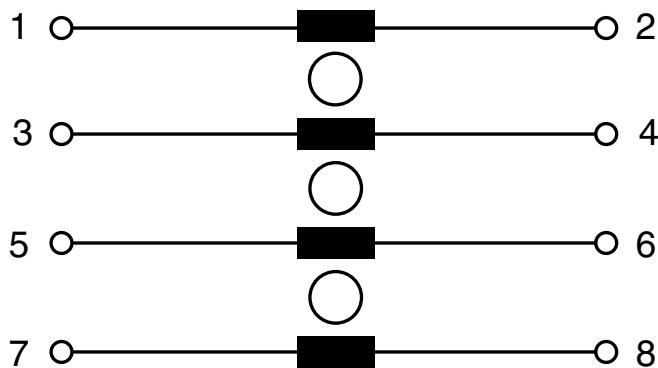
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58-40

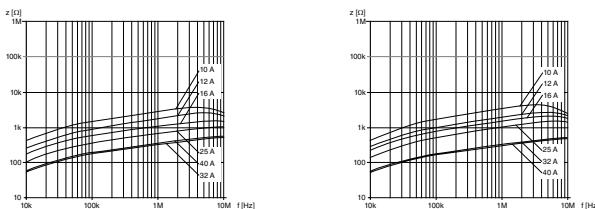


## Diagrams



## Impedance curves

500 VDC      760 VDC



## Variants

I <sub>n</sub> [A]	U <sub>n</sub> [V]	L <sub>n</sub> [mH]	R <sub>cu</sub> [mΩ]	Power Dissipation [W]	f <sub>RES</sub> [MHz]	Copper ø [mm]	Weight [g]	Housing	Packing unit [pcs.]	Order Number
10	500	5.5	7	2.8	3.68	1.25	100g	52-10	20	3-108-426
12	500	3	3.7	2.13	5.06	1.5	105g	52-12	20	3-108-427
16	500	2.1	2.12	2.17	6.6	1.8	100g	52-16	20	3-108-428
20	500	1.35	1.12	2.8	9.56	2.24	110g	52-25	20	3-108-429
25	500	1.35	1.12	2.8	9.56	2.24	110g	52-25	20	3-108-430
32	500	0.75	0.55	2.25	15.4	2.8	130g	52-32	20	3-108-431
40	500	0.75	0.44	2.82	13.4	3.15	140g	52-40	20	3-108-432
10	760	6.5	8	3.2	3.2	1.25	130g	58-10	20	3-108-433
12	760	4.0	4.33	2.49	4.8	1.5	130g	58-12	20	3-108-434
16	760	3.0	2.6	2.66	5.18	1.8	140g	58-16	20	3-108-435
20	760	2.0	1.4	3.5	6.6	2.24	150g	58-25	20	3-108-436
25	760	2.0	1.4	3.5	6.6	2.24	150g	58-25	20	3-108-437
32	760	0.75	0.55	2.25	15.4	2.8	155g	58-32	20	3-108-438
40	760	0.75	0.44	2.82	15.4	3.15	165g	58-40	20	3-108-439

Availability for all products can be searched real-time: <https://www.schurter.com/en/info-center/support-tools/stock-check-distributors>

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