

Compensated High Current Choke, 3-phase



Approvals and Compliances

Description

- Current compensated choke
- 3-phase choke
- THT-terminals
- Flange for mounting onto printed circuit board
- Other versions on request:
 - 4 wire versions
 - Customer specific pin outs

Unique Selling Proposition

- Compact size and light weight
- Open design for optimal cooling
- Nanocrystalline or ferrite ring cores
- Customer specific pin outs available

Applications

- Frequency converter
- Charge stations
- UPS-systems
- Switching power supplies

Weblinks

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

Technical Data

Rated voltage	max 600VAC
Rated Current	10 - 50 A @ Ta 40 °C
Rated inductance	0.08 - 10.8mH, Tol. -30% +50%
Power Operating Frequency	0 - 400Hz
Terminal Type	THT
Weight	90 - 160g
Material: Housing	UL 94V-0

Test Voltage	3740VDC, 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](#)

Application standards

Application standards where the product can be used

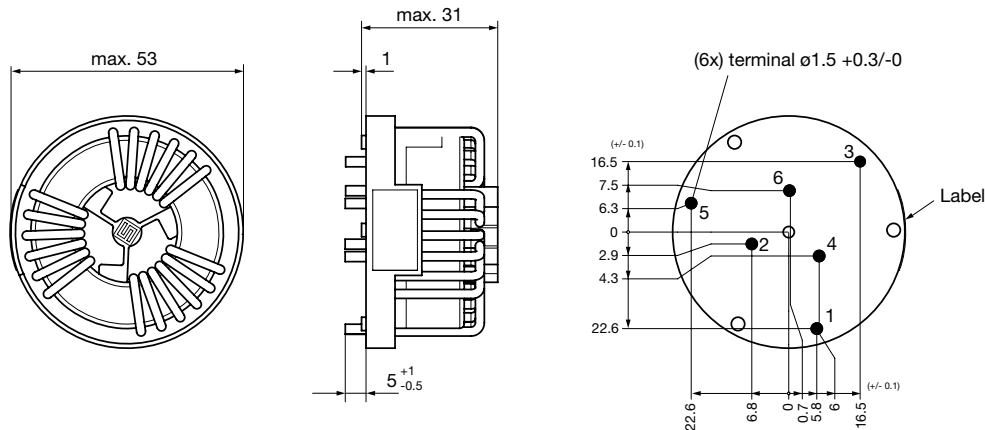
Organization	Design	Standard	Description
	Designed for applications acc.	IEC/UL 60950	IEC 60950-1 includes the basic requirements for the safety of information technology equipment.

Compliances

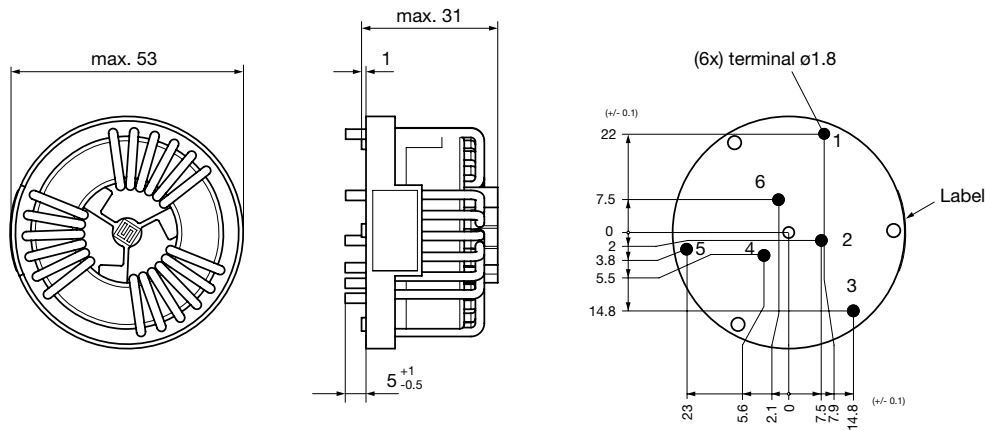
The product complies with following Guide Lines

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	EU Directive RoHS 2011/65/EU
	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.

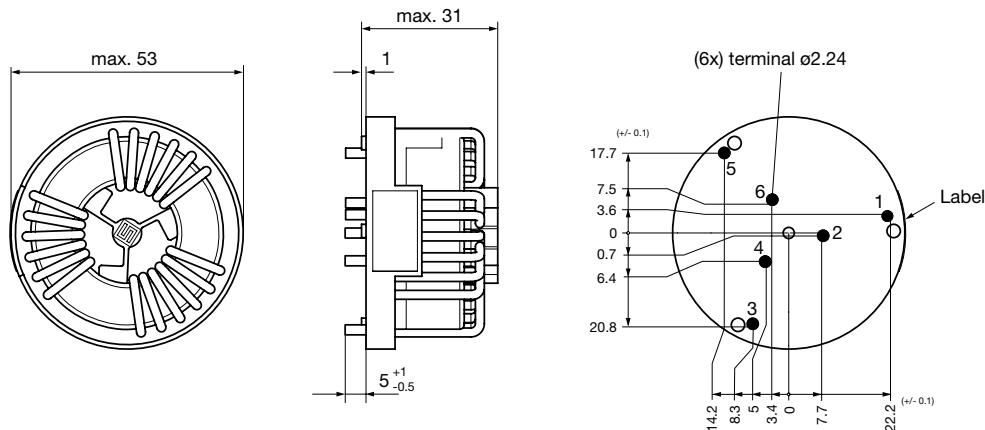
Dimension [mm]
52-12



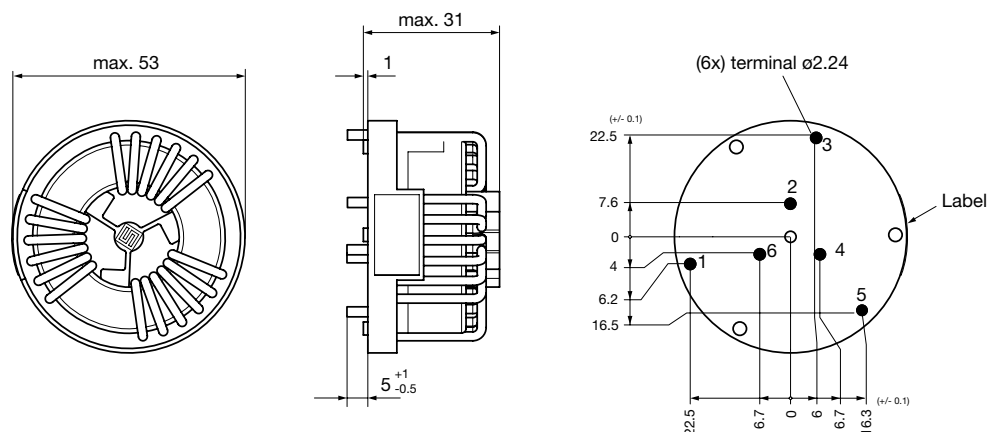
52-16



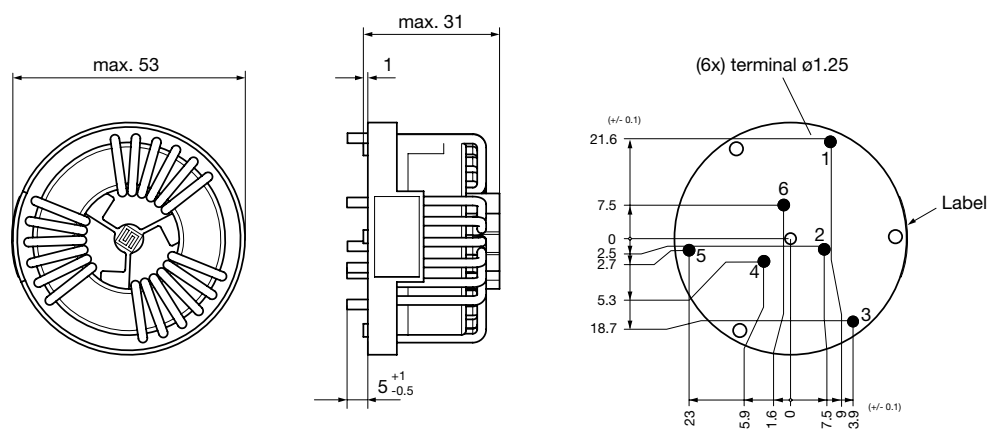
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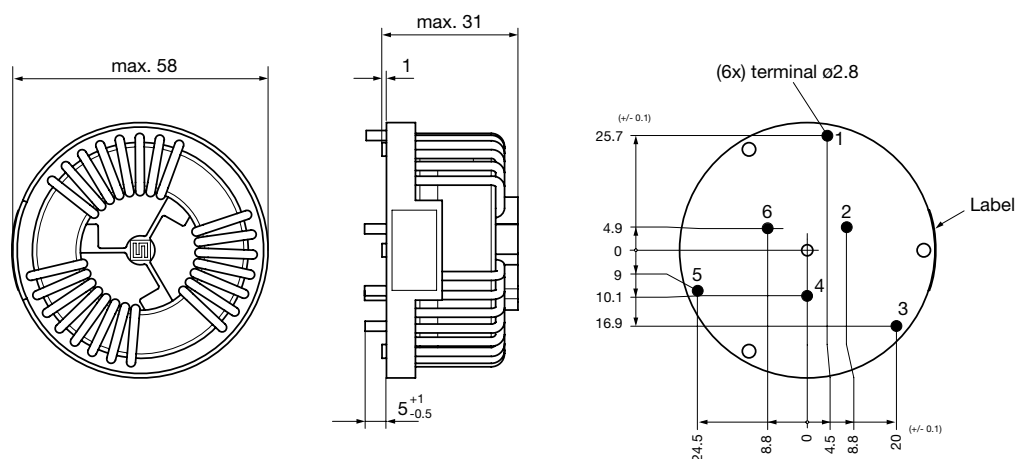
52-25



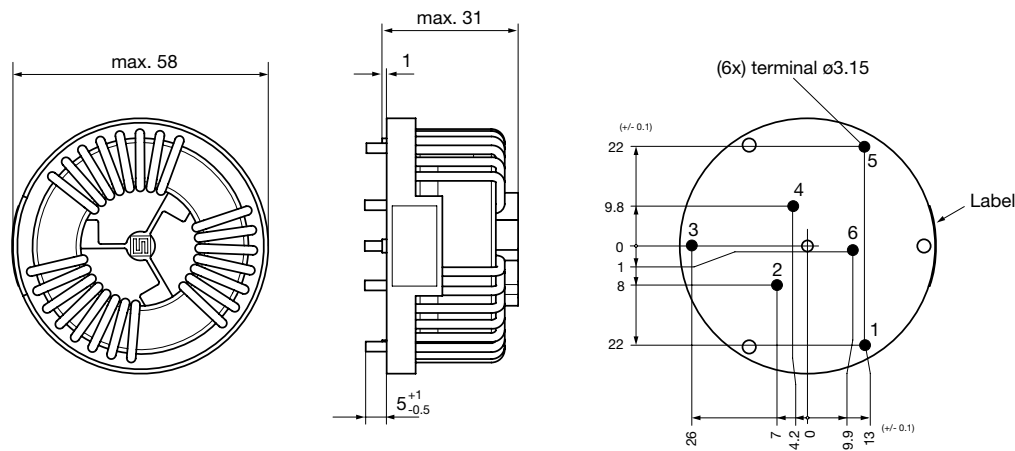
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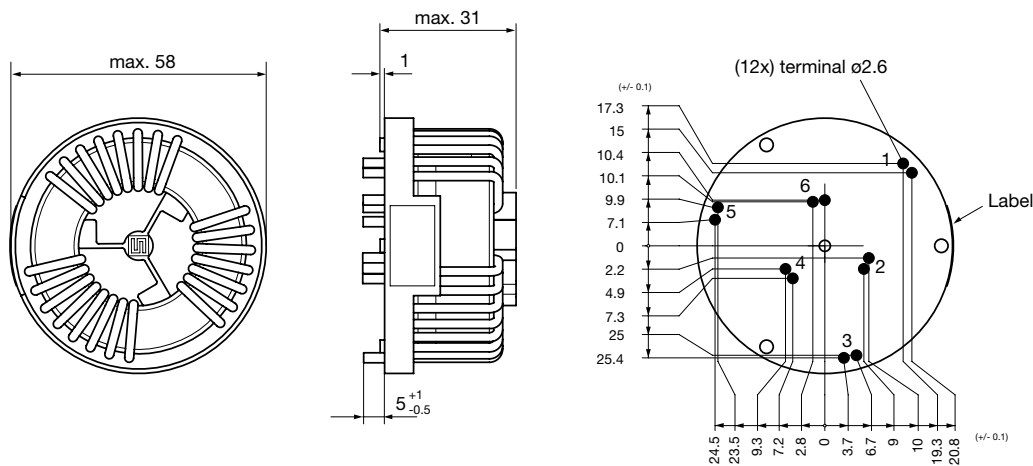
58-32



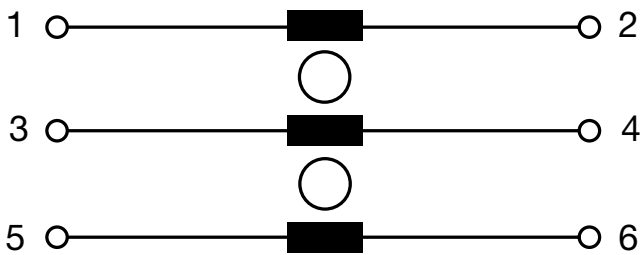
58-40



58-50



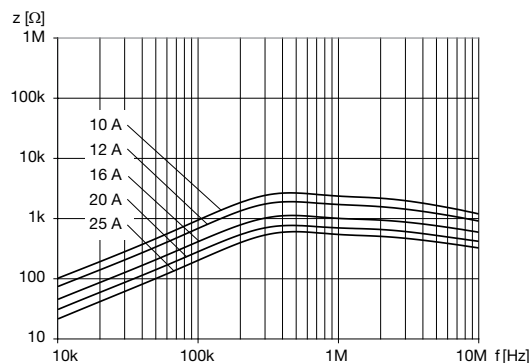
Diagrams



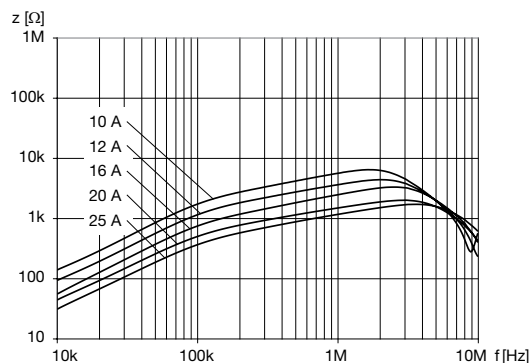
3 phases

Impedance curves

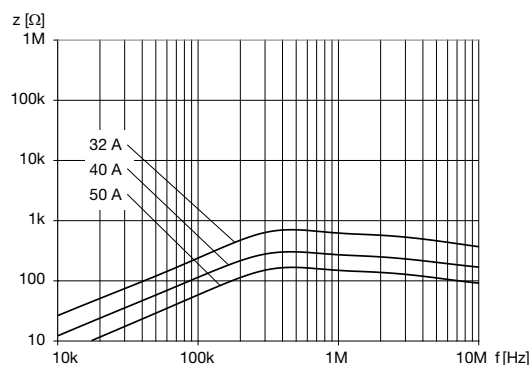
DKIH-3352-xxxx



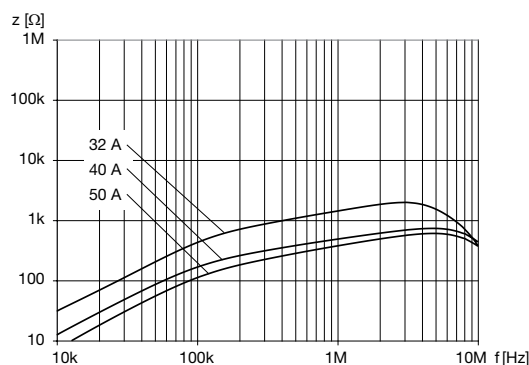
DKIH-3352-xxxx-NK



DKIH-3358-xxxx



DKIH-3358-xxxx-NK



All Variants

I_n [A]	L_n [mH]	R_{cu} [m Ω]	Power _{loss} [W]	f_{RES} [MHz]	Copper ϕ [mm]	Weight [g]	Housings	Packing unit [pcs.]	Order Number
10	1.1	7.5	2.3	0.5	1.25	90 g	52-10	20	DKIH-3352-102J
10	10.8	7.5	2.3	1.5	1.25	90 g	52-10	20	DKIH-3352-1011-NK
12	0.75	4.5	1.9	0.5	1.5	90 g	52-12	20	DKIH-3352-12D8
12	7.2	4.5	1.9	2	1.5	90 g	52-12	20	DKIH-3352-120Q-NK
16	0.46	3	2.3	0.5	1.8	90 g	52-16	20	DKIH-3352-16D5
16	4.4	3	2.3	2.5	1.8	90 g	52-16	20	DKIH-3352-162N-NK
20	0.35	1.5	1.8	0.5	2.24	105 g	52-20	20	DKIH-3352-20D4
20	3.1	1.5	1.8	3	2.24	105 g	52-20	20	DKIH-3352-204L-NK
25	0.24	1.2	2.3	0.5	2.24	100 g	52-25	20	DKIH-3352-25D3
25	2.2	1.2	2.3	3.5	2.24	100 g	52-25	20	DKIH-3352-254K-NK
32	0.33	1.1	3.4	0.4	2.8	155 g	58-32	20	DKIH-3358-32D3
32	2.6	1.1	3.4	3	2.8	155 g	58-32	20	DKIH-3358-326K-NK
40	0.15	0.6	2.9	0.4	3.15	145 g	58-40	20	DKIH-3358-40D2
40	1.1	0.6	2.9	5	3.15	145 g	58-40	20	DKIH-3358-401J-NK
50	0.08	0.4	3	0.4	2 x 2.5	160 g	58-50	20	DKIH-3358-50C8
50	0.7	0.4	3	5	2 x 2.5	160 g	58-50	20	DKIH-3358-50D7-NK

Most Popular.

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