

Compensated High Current Choke, 3-phase



See below:

Approvals and Compliances

Description

- Current compensated choke
- 3-phase choke
- THT-terminals
- Flange for mounting onto printed circuit board
- Other versions on request:

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

References

Substitute for type [DKIL-3](#)

Weblinks

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

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](#)

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

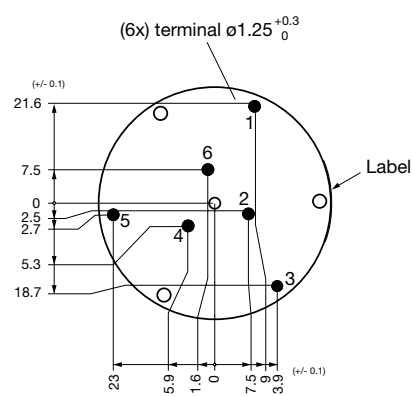
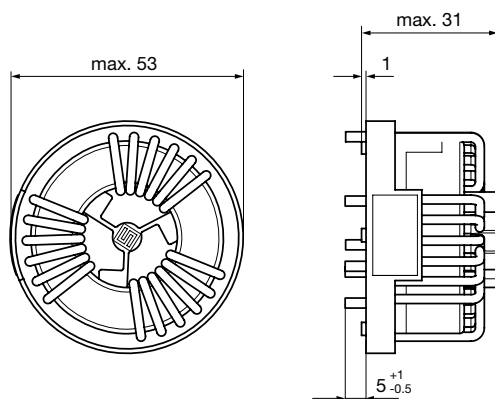
Organization	Design	Standard	Description
	Designed for applications acc.	IEC/UL 62368-1	IEC 62368-1 includes the basic requirements for safety of audio, video, information technology and office equipment.

Compliances

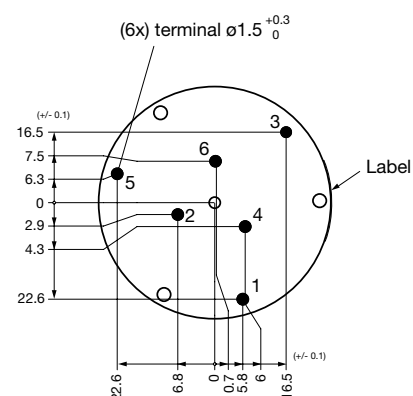
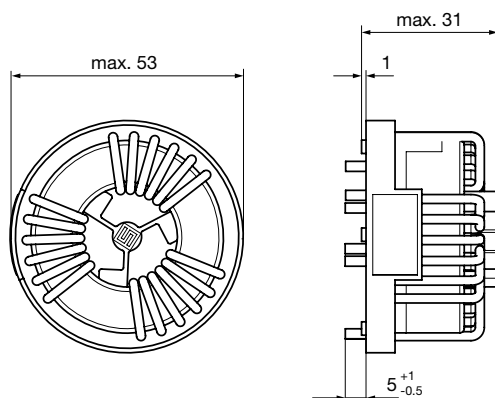
The product complies with following Guide Lines

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.

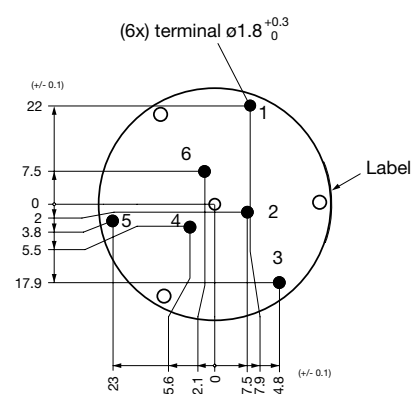
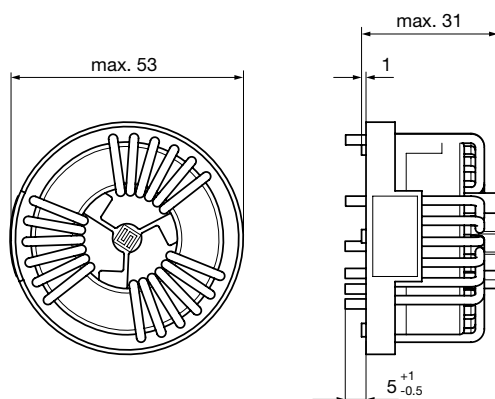
52-10



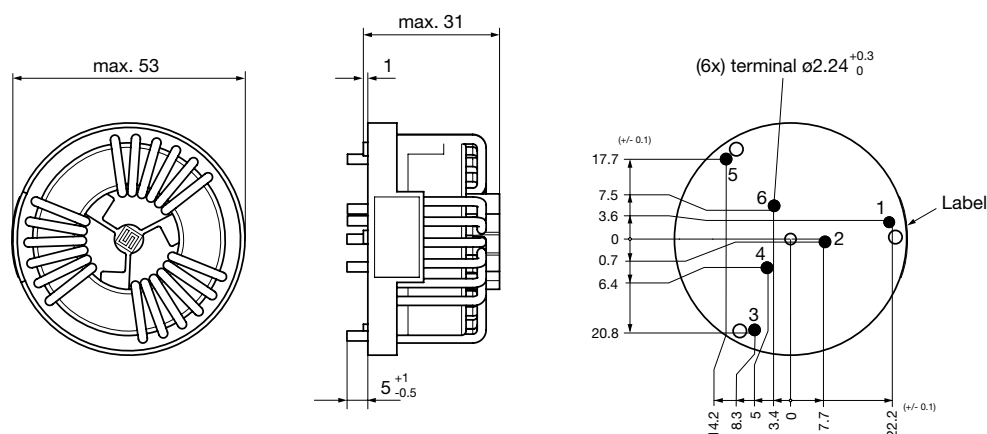
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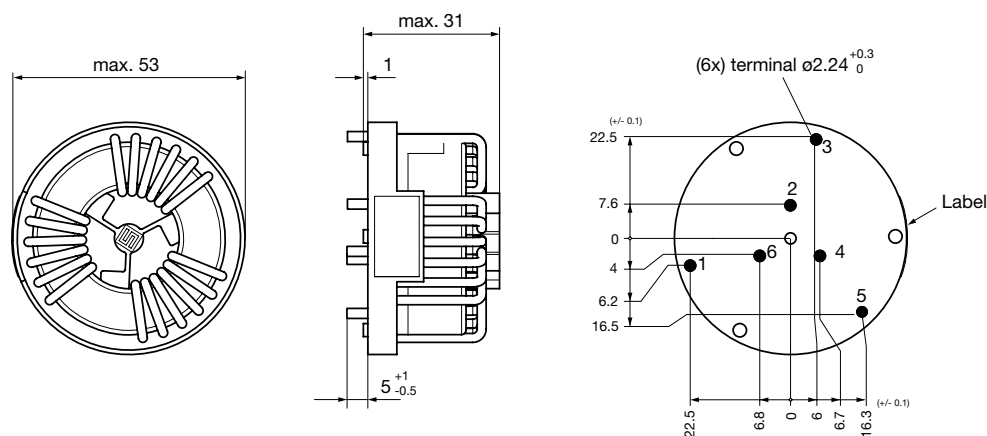
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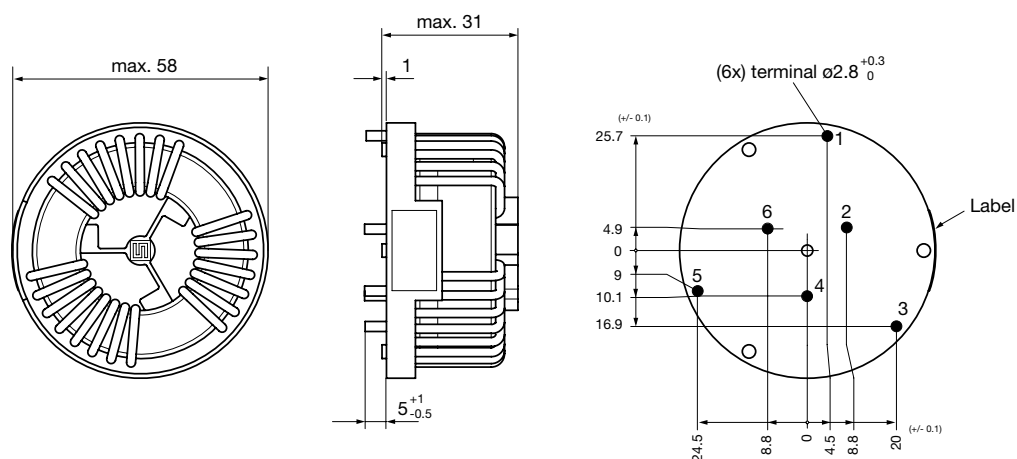
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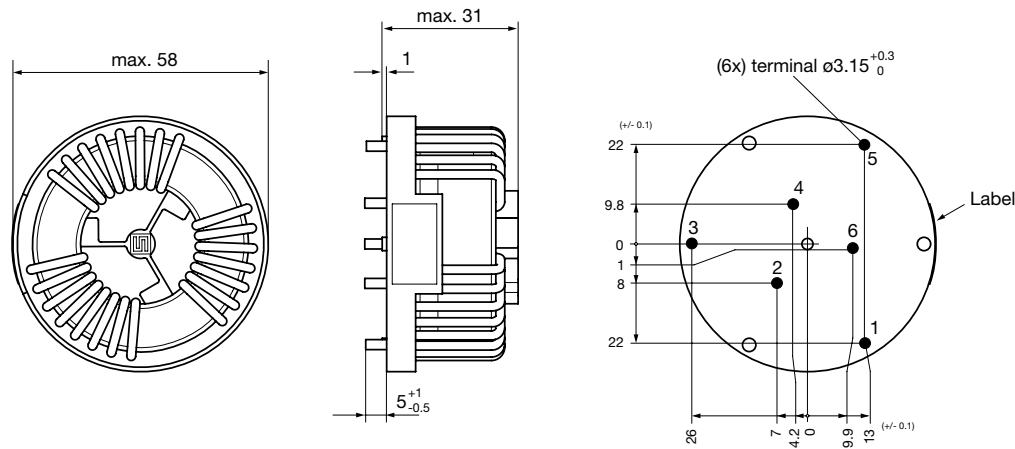
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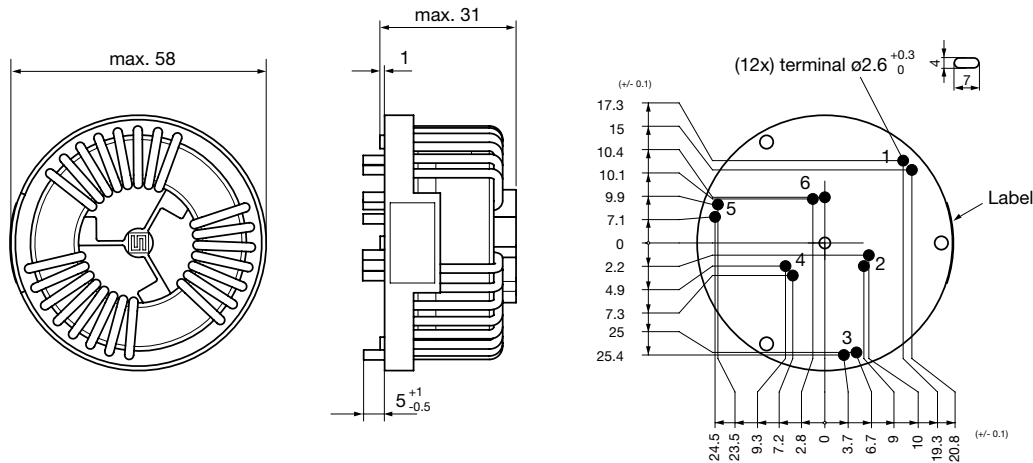
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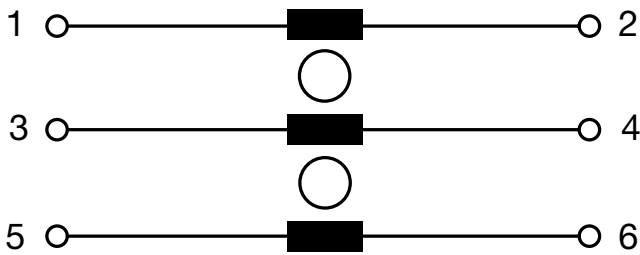
58-40



58-50



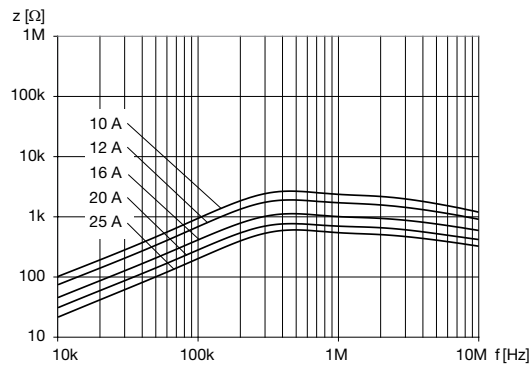
Diagrams



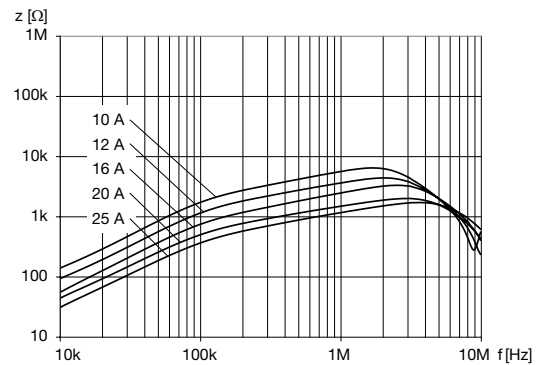
3 phases

Impedance curves

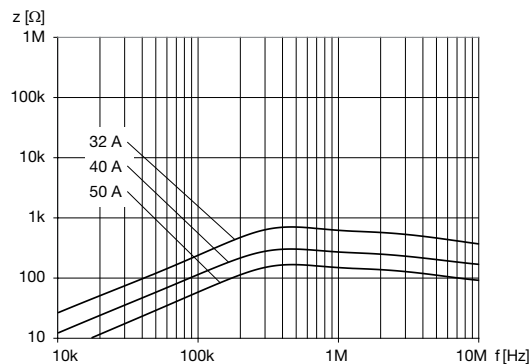
DKIH-3352-xxxx



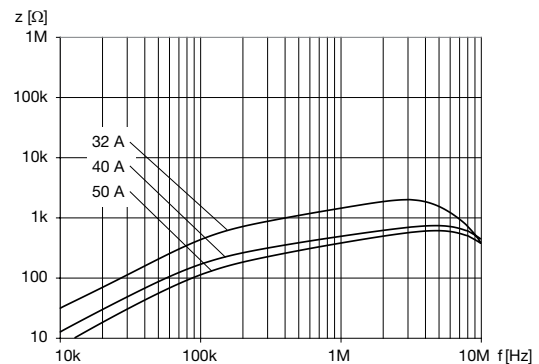
DKIH-3352-xxxx-NK



DKIH-3358-xxxx



DKIH-3358-xxxx-NK



All Variants

I_n [A]	L_n [mH]	R_{CU} [mΩ]	Tripped Power Dissipation [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>

Accessories

Description



DKIH-EVB
Evaluation Board for Dkih-1 and Dkih-3

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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