Compensated High Current Choke, 3-phase

new

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

Test Voltage	3740 VDC, 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
IEC	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.

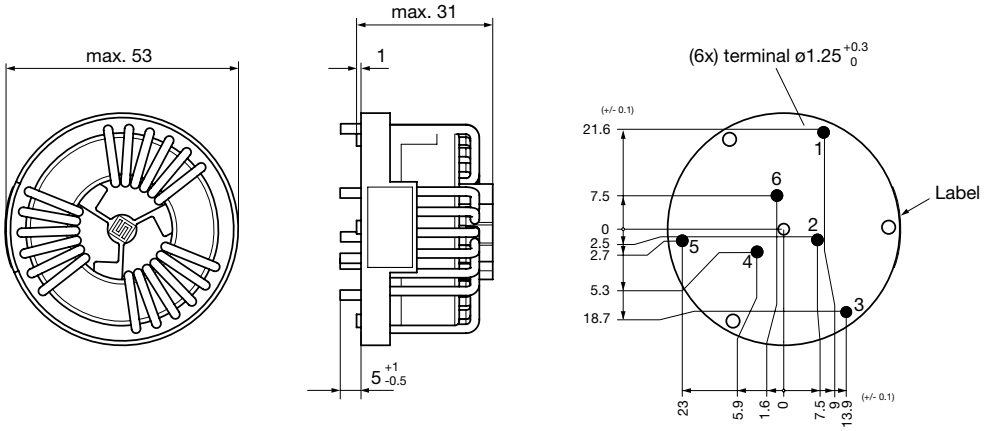
Compliances

The product complies with following Guide Lines

Identification	Details	Initiator	Description
CE	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	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]

52-10



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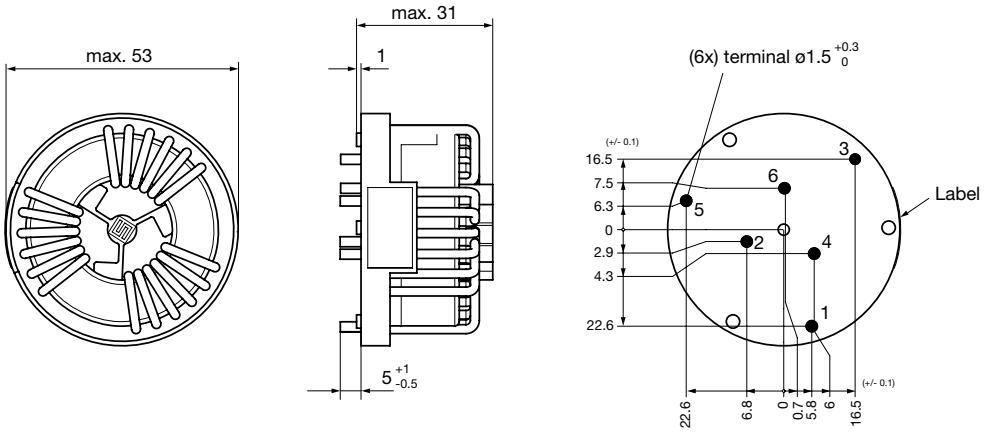

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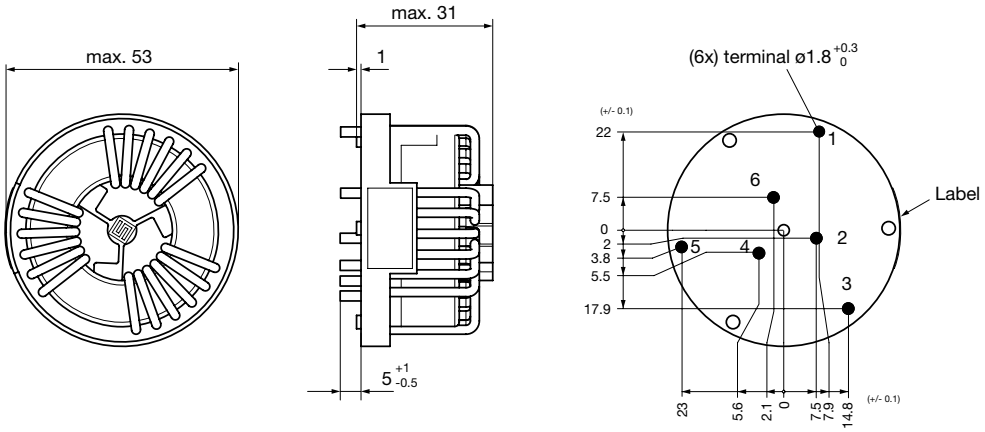

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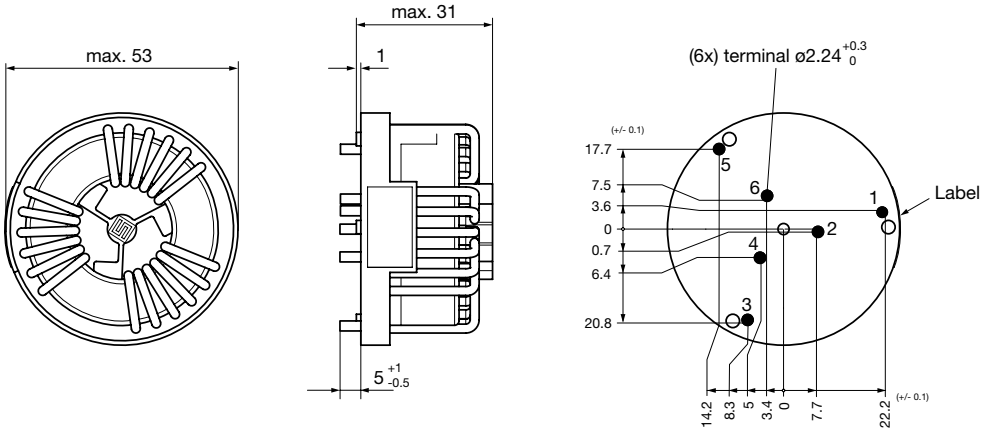

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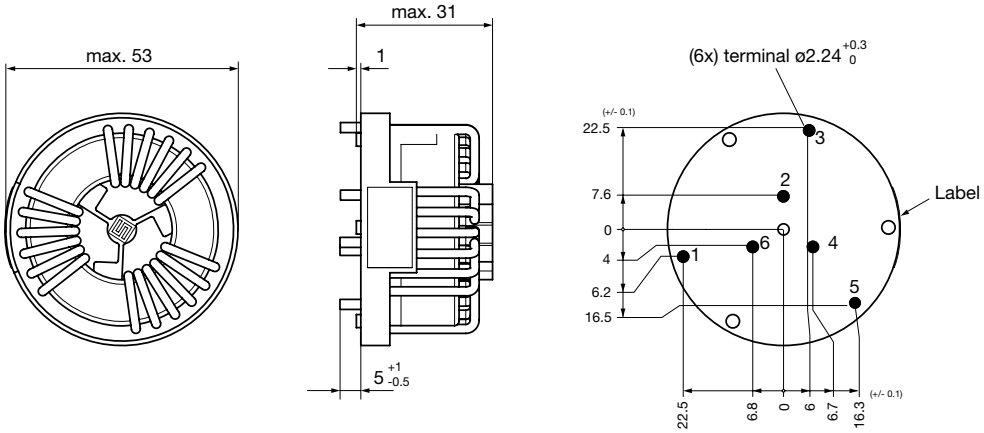

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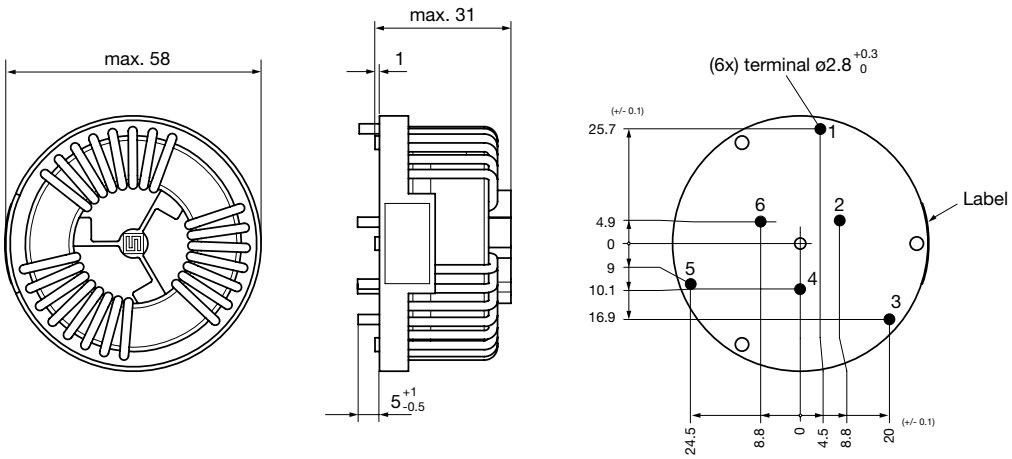

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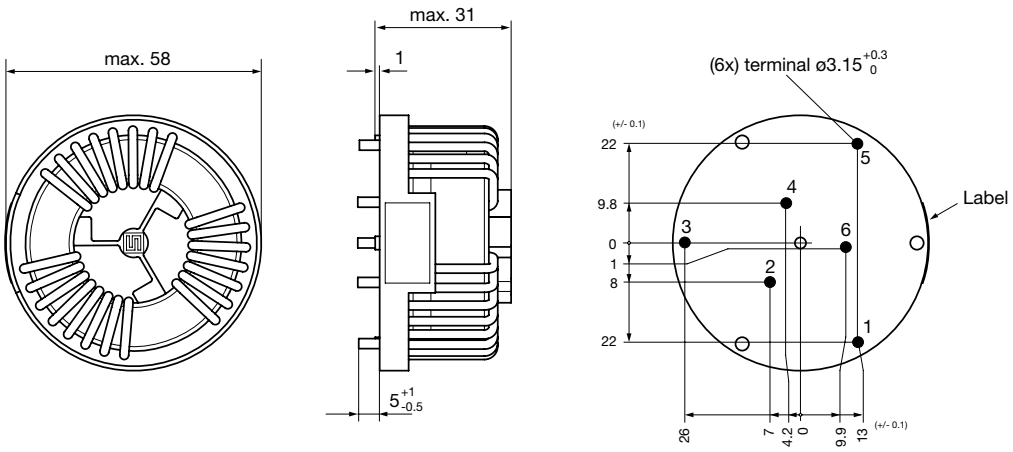

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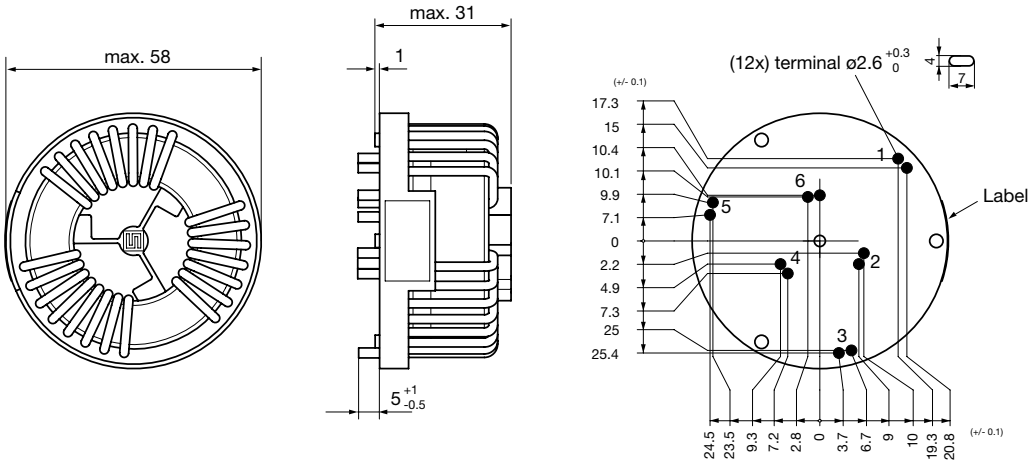
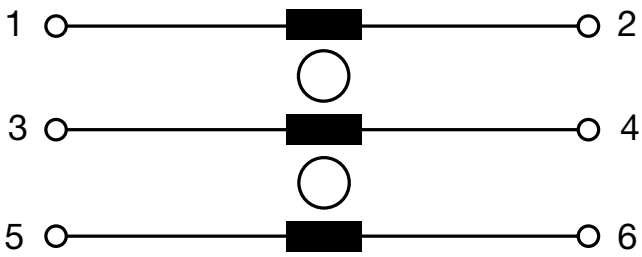


Diagrams



3 phases

Impedance curves

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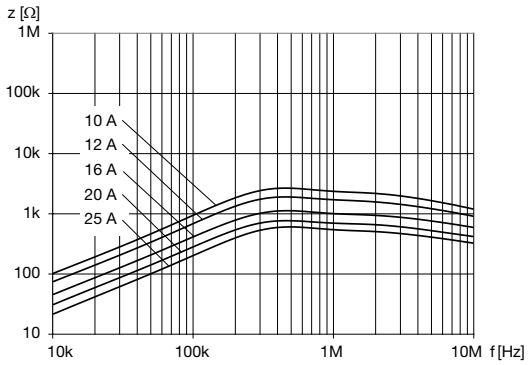

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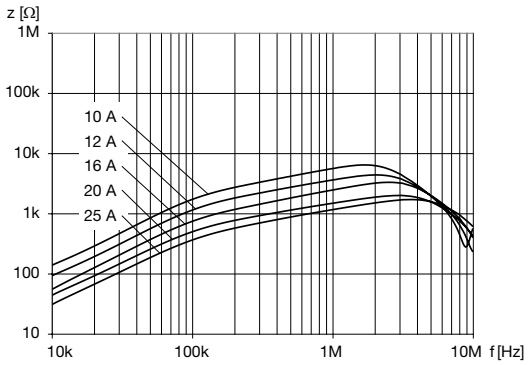

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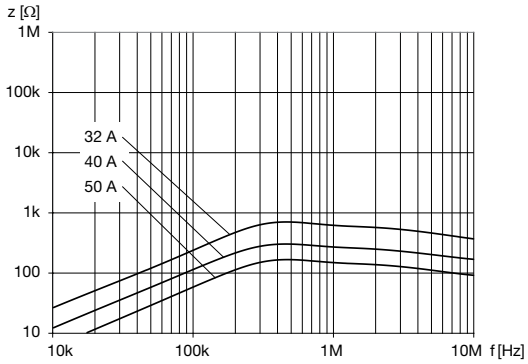

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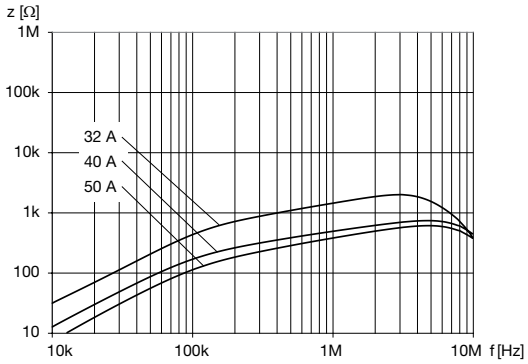


All Variants

I_n [A]	L_n [mH]	R_{cu} [mΩ]	Tripped Power Dissipation [W]	f_{RES} [MHz]	Copper ø [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

12.05.2020

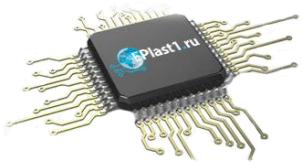
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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