

Magnetically Compensated Choke, 1- and 3-phase



See below:

Approvals and Compliances

Description

- Current compensated choke
- 1- or 3-phase choke
- THT terminals or wire leads
- Flange for mounting onto printed circuit board
- Fully potted resin

Applications

- Attenuation of common mode interferences
- May also be used in direct current applications where magnetic compensation is required
- Designed for 230/400 VAC applications

Weblinks

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

Technical Data

Rated voltage	up to 440 VAC	Test Voltage	1.8kV, 50Hz, 1 min, winding to winding
Rated Current	0.5 - 15A @ Ta 40 °C	Isolation Voltage	2kV eff., winding to ambient
Rated inductance	1 - 20mH, Tol. -30% +50%	Climatic Category	25/100/21 acc. to IEC 60068-1
Power Operating Frequency	50 - 400Hz	Allowable Operation Temp.	-25 °C to 100 °C
Terminal Type	THT, Flexible wire		
Weight	6 - 163g		
Material: Housing	UL 94V-0		
Sealing Compound	UL 94V-0		

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.

Approvals

The approval mark is used by the testing authorities to certify compliance with the safety requirements placed on electronic products.

Approval Reference Type: DFK

Approval Logo	Certificates	Certification Body	Description
	UL Approvals	UL	UL File Number:

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.

Dimension [mm]

Case 03



Case 07



Case 11



Case 12



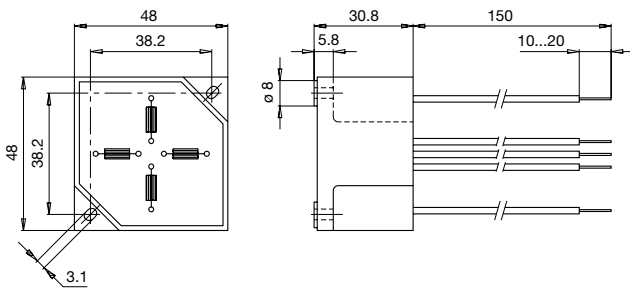
Case 20



Case 25-2



Case 29-4



Diagrams



1 phase



3 phases and neutral

Impedance curves

DFK-175-xxxx, DFK-20-xxxx



DFK-25-xxxx, DFK-40-xxxx



DFK-33-xxxx, DFK-48-xxxx



All Variants

I_n [A]	L_n [mH]	R_{Cu} [mΩ]	f_{RES} [MHz]	Copper ϕ [mm]	Weight [g]	Housings	Packing unit [pcs.]	Order Number
0.5	10	900	0.5	0.5	6 g	03	100	DFK-175-0001
1	10	500	0.7	0.6	12 g	07	150	DFK-20-0001
1	20	500	0.5	0.6	12 g	07	150	DFK-20-0002
1	10	510	0.5	0.6	18 g	11	50	DFK-25-0001
2	10	250	0.5	0.6	18 g	12	50	DFK-25-0002
2	20	250	0.3	0.6	37 g	20	45	DFK-33-0001
3	10	150	0.38	0.6	37 g	20	45	DFK-33-0002
6	4	27	0.4	-	127 g	25-2	10	DFK-40-0003
10	2	9	1.45	-	127 g	25-2	10	DFK-40-0004
15	1	10	1.45	2.5 x 2.5	127 g	25-2	10	DFK-40-0005
6	4 x 1.5	20	0.2	1.5 x 1.5	163 g	29-4	10	DFK-48-0008

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



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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