

Overview

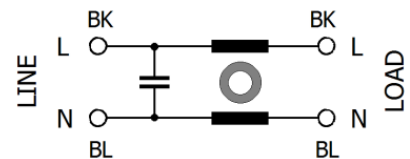
An EMC filter series designed for use in applications where no additional current to protective earth is accepted.

Examples of such applications may be lighting systems where several electronic ballasts for fluorescent tubes are used. Normally these ballasts comply with the regulations in the EN55015 standard, which is compulsory for CE-marking of the final product. However in systems where several ballasts are used, the interference levels may violate the limits in the standard. In such a case the use of these filters will help reducing the interferences to an acceptable level. There are also limits for the maximum current to protective earth in the same standard. This filter series has no Y-capacitors and is thus not contributing to an increase in such currents. This is also a benefit in e.g. medical equipment where there also are restrictions for leakage currents to protective earth.



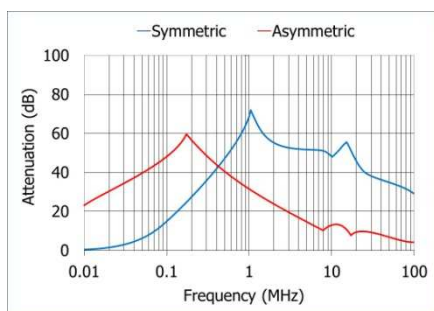
Technical specifications

Rated voltage	250 VAC / 50 Hz
Rated current	1.4 – 7.0 A
Rated temperature	40°C
Temperature range	-10°C to +85°C
Climate category	10/085/21
Voltage test	L - N 1100 VDC
Approvals	EN 60939-1:2010 / EN 60939-2:2005

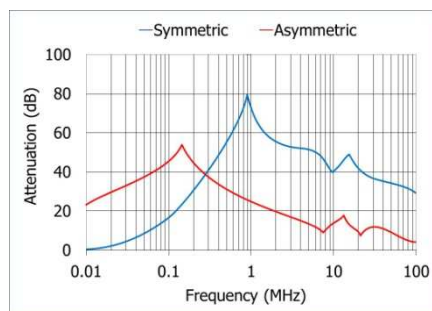


Filter	Rated current @ 40°C (A)	C (nF)	L (mH)	Wire area (mm ²)
FLH1A42710DK	1.4	100	2 x 27	0.75
FLH1A92710DK	1.9	100	2 x 27	0.75
FLH3A02233DK	3.0	330	2 x 22	0.75
FLH7A01568DK	7.0	680	2 x 15	1.5

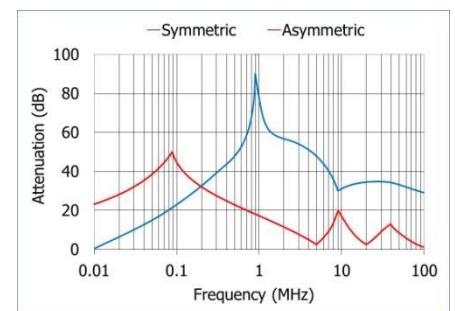
Typical insertion loss



1.4A and 1.9A

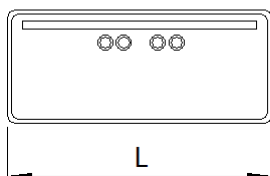
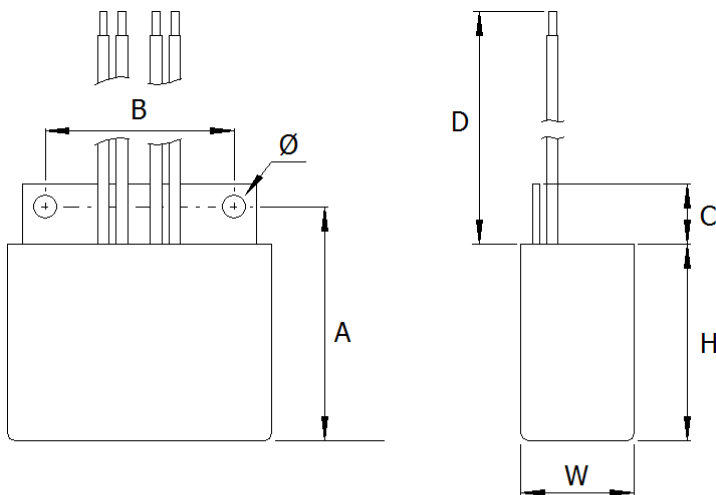


3.0A



7.0A

Mechanical dimensions

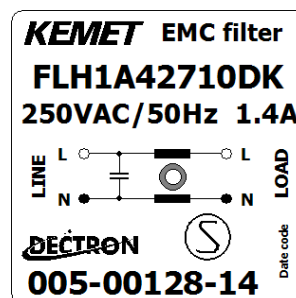


Filter	Dimensions in mm							
	W	H	L	A	B	C	D	Ø
005-00128-14	21	29	31.5	35	23.5	10	180	4.0
005-00128-19	21	29	31.5	35	23.5	10	180	4.0
005-00128-30	28	37	42.5	45	33.5	10	180	5.0
005-00128-70	30	45	57.5	52	46.5	10	180	5.0

Marking

The filter is marked with the following information according to IEC/EN 60939-2:

- Manufacturer's name/trademark
- Type designation
- Recognised approval mark
- Rated voltage/frequency
- Circuit diagram
- Rated current



Legal disclaimer notice

All product specifications, statements, information and data (collectively, the "information") are subject to change without notice.

All information given herein is believed to be accurate and reliable, but is presented without guarantee, warranty, or responsibility of any kind, expressed or implied.

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute – and we specifically disclaim – any warranty concerning suitability for a specific customer application or use.

This information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their applications. Any technical advice inferred from this information or otherwise provided by us with reference to the use of our

products is given gratis, and we assume no obligation or liability for the advice given or results obtained.

Although we design and manufacture our products to the most stringent quality and safety standards, given the current state of the art, isolated component failures may still occur. Accordingly, customer applications which require a high degree of reliability or safety should employ suitable designs or other safeguards (such as installation of protective circuitry or redundancies) in order to ensure that failure of an electrical component does not result in a risk of personal injury or property damage.

Although all product-related warnings, cautions and notes must be observed, the customer should not assume that all safety measures are indicated or that other measures may not be required.