



HAHN

HAHN GmbH & Co.KG
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To all HAHN-customers

Date 31.10.2023 – KaS
contact person: Mr. Karsten Schmitt
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Declaration of the halogen-free nature of HAHN-products

Dear Ladies and Gentlemen,

You obtain non-chemical products from us (transformers, converters, chokes) from those under normal and reasonably foreseeable conditions of use no chemical substance can be released.

Halogens are a group of 6 chemical elements. The substances fluorine, bromine and chlorine are relevant for electromechanical products, the remaining three elements (iodine, astatine, unuseptium) are for technical applications of no importance.

Bromine and chlorine can form corrosive, toxic compounds, especially in the event of a fire. The International Electrotechnical Commission (IEC) defines halogen-free based on the amounts of chlorine and bromine (Standard IEC 61249-2-21).

A product is considered halogen-free if the following limit values are met:

- 900 ppm chlorine
- 900 ppm bromine
- 1,500 ppm total halogens

Halogens are primarily used as flame retardants in plastics. Other materials such as fluxes, adhesives, paints and varnishes etc., which may also contain halogens, are not used by HAHN or only used in small quantities, so that the halogen content in the end product is lower the permissible limits.

With best regards

HAHN GmbH & Co. KG

i. A. Karsten Schmitt

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Amtsgericht Giessen HRA 103922
Geschäftsführer: Klaus Dieter Hahn, Marta Hahn



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