

Title (en)

EVALUATION OF THE SUPPLY VOLTAGE OF OPERATING DEVICES FOR LUMINOUS ELEMENTS

Title (de)

AUSWERTUNG DER VERSORGUNGSSPANNUNG VON BETRIEBSGERÄTEN FÜR LEUCHTMITTEL

Title (fr)

ANALYSE DE LA TENSION D'ALIMENTATION DES BALLASTS DE LUMINAIRES

Publication

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Application

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Abstract (en)

[origin: WO2012083325A1] The invention relates to a ballast operating device for luminous elements, comprising separate measuring circuits (M1, M2) in order to break down a voltage (Vmains) rectified by a rectifying means into a positive voltage component and a negative voltage component, wherein the voltage (Vmains) can be, for example, an alternating voltage, a pulsing direct voltage, or a constant direct voltage, an evaluating circuit, which evaluates the voltage components (Vac/dc) of the two measuring circuits (M1, M2) in order to identify the type of the applied voltage, and an analyzing circuit, which analyzes the voltage components (Vac/dc) by means of an AD converter and calculates additional characteristics of the voltage (Vmains), such as the presence of an overvoltage, in particular due to reverse polarity, an amplitude value, an average of the voltage (Vmains), and/or a piece of information modulated upon the voltage.

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