

Title (en)

INTEGRATED COMPONENT FOR PROTECTING AGAINST OVERVOLTAGES, IN PARTICULAR FOR A COAXIAL-CABLE SYSTEM

Title (de)

INTEGRIERTES BAUELEMENT ZUM SCHUTZ GEGEN ÜBERSpannungen, INSBESONDERE FÜR EIN KOAXIALKABELSYSTEM

Title (fr)

COMPOSANT INTÈGRE DE PROTECTION CONTRE LES SURTENSIONS, EN PARTICULIER POUR UN SYSTÈME DE CÂBLE COAXIAL

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2018127650A1] The invention relates to an integrated component for protecting against overvoltages, including: two multilayer elementary varistors (21, 22) that are arranged in parallel and that each include first and second varistor electrodes, the varistor electrodes being metal plates (10, 11); a gas discharge tube (4) including first and second discharge-tube electrodes, the discharge-tube electrodes being conductive plates (7, 8), the two varistors (21, 22) and the gas discharge tube (4) being connected in series between a first and a second electrical connection terminal (15, 16); and a peripheral coating (20) including a seal-tight and electrically insulating resin, the peripheral coating being arranged around the varistor and the gas discharge tube so as to form a seal-tight and electrically insulating barrier that leaves the first and second electrical connection terminals accessible only at two opposite ends of the peripheral coating, wherein one of the discharge-tube electrodes (7) and one of the varistor electrodes (10) are fastened parallel to each other and in electrical contact with each other via a metal solder joint.

IPC 8 full level

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