

Title (en)

ENCAPSULATED SURGE PROTECTION APPARATUS IN COAXIAL DESIGN WITH CUP-LIKE HOUSING

Title (de)

GEKAPSELTE ÜBERSpannungsschutzvorrichtung in koaxialer Bauform mit einem becherartigen Gehäuse

Title (fr)

DISPOSITIF DE PROTECTION CONTRE LES SURTENSIONS ENCAPSULÉ SOUS UNE CONFIGURATION COAXIALE POURVU D'UN BOÎTIER DE TYPE POT

Publication

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Application

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Abstract (en)

[origin: WO2019007686A1] The invention relates to an encapsulated surge protection apparatus in a coaxial design with a cup-like housing, a first and a second electrode, a disc-shaped surge arrester, in particular configured as a varistor, which is electrically connected to the electrodes and is located in the cup-like housing, and having a fusible element for producing a short circuit between the electrodes in the case of overloading of the surge arrester, wherein at least parts of the cup-like housing form one of the electrodes, hold or support such an electrode and the second of the electrodes makes contact with the disc-shaped surge arrester in a stamp-like manner. According to the invention, the second electrode has at least one radial recess or a blind hole at the section thereof facing the surge arrester, wherein a conductive contact bolt pretensioned by spring force is inserted in the recess or the blind hole, the movement path of which contact bolt is blocked and, in the case of overloading of the surge arrester, released by the fusible element in such a way that the contact bolt produces a stable short circuit between the second electrode and the cup-like housing.

IPC 8 full level

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