

Title (en)
COMPACT OVERVOLTAGE DEVICE WHICH CAN BE PRE-ASSEMBLED

Title (de)
KOMPAKTE, VORKONFEKTIONIERBARE ÜBERSpannungsvORRICHTUNG

Title (fr)
DISPOSITIF DE PROTECTION ANTISURTENSION COMPACT PRÉFABRICABLE

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Abstract (en)
[origin: WO2015051934A1] The invention relates to a compact, varistor-based overvoltage protection device which can be pre-assembled, comprising a thermal separating unit, consisting of a circuit board (1) laminated on two sides and having a through connection region (3), wherein the at least one varistor (16) or a similar protection device is connected, in particular soldered, to a first side of the laminated circuit board (1), and furthermore a separating slide (7) operatively connected to the through connection region (3) is provided on the second side of the laminated circuit board (1). According to the invention a first contact surface (4) contiguous with the through connection region (3) and a second contact surface (6) spaced therefrom by a separation distance (5) are formed on the second side of the laminated circuit board (1), the separating slide (7) bridging both contact surfaces and exposing the separation distance (5) in the event of overload. Moreover the separating slide (7) also consists of a laminated circuit board material, wherein the conductive region of the circuit board material of the separating slide (7) bridging the contact surfaces (4, 6) has a first (11) and a second (12) soldered section having a current constriction (13) located between them.

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