

Title (en)

VACUUM SWITCH DEVICE FOR A CIRCUIT HAVING A MAIN AND AUXILIARY CURRENT PATH

Title (de)

VAKUUMSCHALTVORRICHTUNG FÜR EINE SCHALTUNG MIT HAUPT- UND NEBENSTROMPFAD

Title (fr)

DISPOSITIF DE COMMUTATION SOUS VIDE POUR CIRCUIT AYANT UN TRAJET DE COURANT PRINCIPAL ET AUXILIAIRE

Publication

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Application

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Abstract (en)

[origin: WO2021083609A1] The invention relates to a vacuum switch device (1) comprising a housing body (2), a stationary electrical contact (3) and a moving electrical contact (4), which is arranged within the housing body (2) and such that it can move relative to said housing body (2) in such a way that, with the movement thereof towards the stationary electrical contact (3), it forms an electrical contact with same and it interrupts the electrical contact with a movement away from the stationary electrical contact (3). A sliding bearing (5) provides sliding support for the moving electrical contact (4) for the movement thereof towards and away from the stationary electrical contact (3). The sliding bearing (5) has an electrically conductive material and at least partially electrically insulates the housing body (2). The vacuum switch device (1) also has a spring support (6) on which a spring element (7) is supported, and which presses the moving electrical contact (4) in the direction of the stationary electrical contact (3). The invention also relates to a circuit (100) comprising a main current path (30) and a parallel auxiliary current path (40), wherein a vacuum switch device (1) is arranged in the auxiliary current path (40).

IPC 8 full level

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