

Title (en)
MULTIPOLAR POWER CONTACTOR

Title (de)
MEHRPOLIGES LEISTUNGSSCHÜTZ

Title (fr)
DISJONCTEUR DE PUISSANCE MULTIPOLAIRE

Publication
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Application
EP 15701099 A 20150122

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Abstract (en)
[origin: WO2015149895A1] The invention relates to a multipolar power contactor (1) having an electromagnetic drive, a movable armature (2) of the drive, and having at least two movable contacts (4) which are arranged next to one another and are connected to the armature (2). Corresponding fixed contacts (5) of the power contactor (1) are assigned to the movable contacts (4). The armature (2) can move from an open position, in which the movable contacts (4) and the fixed contacts (5) are not in contact with one another, into a closed position, in which the movable contacts (4) come into contact with the fixed contacts (5). Each contact point, consisting of movable contact (4) and corresponding fixed contact (5), is assigned an arc quenching device (6). According to the invention, it is provided that a plasma barricade is arranged between two adjacent movable contacts (4), wherein the plasma barricade comprises a first barrier (7) and a second barrier (8), one of the two barriers (7) being connected to the armature (2) and the other of the two barriers (8) being connected to a stationary part (22) of the power contactor (1). The first barrier (7) and the second barrier (8) overlap one another at least partially in every position of the armature (2) between the open position and the closed position.

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H01H 9/30 (2006.01)

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