

Title (en)
HIGH-CURRENT SWITCH

Title (de)
HOCHSTROMSCHALTER

Title (fr)
INTERRUPTEUR POUR COURANT FORT

Publication
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Application
EP 12751004 A 20120810

Priority
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Abstract (en)
[origin: CA2855813A1] The invention relates to a high-current switch (1) comprising a first fixed contact (2), a second fixed contact spaced apart from the first fixed contact (3), and at least one contact bridge (4) that is movable relative to the two fixed contacts. Furthermore, an advancing device is provided for transferring the contact bridge (4) from an open position in which the two fixed contacts (2, 3) are not connected to one another into a closed position in which the contact bridge connects the two fixed contacts electrically to one another. The advancing device is also provided for pressing the contact bridge in the closed position against the two fixed contacts. According to the invention, the advancing device is designed without springs, wherein the rigidity of the contact bridge and the advancing device in the direction of the pressing force corresponds to a value of at least 50 000 kNmm², and wherein the lowest natural frequency of the system consisting of the contact bridge and the advancing device in the direction of the pressing force is greater than 2000 Hz.

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