

Title (en)

ELECTRICAL SWITCHING DEVICE COMPRISING MAGNETIC ADJUSTING ELEMENTS

Title (de)

ELEKTRISCHE SCHALTVORRICHTUNG MIT MAGNETISCHEN VERSTELLELEMENTEN

Title (fr)

DISPOSITIF DE COMMUTATION ELECTRIQUE A ELEMENTS DE DEPLACEMENT MAGNETIQUES

Publication

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Application

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Abstract (en)

[origin: WO2006048137A1] The invention relates to an electrical switching device (1), especially a high-frequency switching device, comprising an elongate electrical switching element (4), a contact end (6) of which is disposed between two opposite contact elements (7a, 7a) that are transversally spaced apart from each other. Said switching element (4) can be selectively moved perpendicular to the longitudinal direction thereof towards one or the other opposite contact element (7a, 7b) by means of two adjusting elements that are located on both sides next to the switching element (4). In order to eliminate or at least reduce frictional processes and the risk of the electrical contact being damaged by abrasion, the switching element (4) is made at least in part of magnetic material while the adjusting elements are formed by two magnet assemblies (12a, 12b), the magnetic force of one magnet assembly (12a) or the other magnet assembly (12b) being selectively reducible or increasable.

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