

Title (en)

SWITCHING UNIT FOR SWITCHING HIGH DC VOLTAGES

Title (de)

SCHALTEINHEIT ZUM SCHALTEN VON HOHEN GLEICHSPANNUNGEN

Title (fr)

UNITÉ DE COMMUTATION DESTINÉE À COMMUTER DES TENSIONS CONTINUES ÉLEVÉES

Publication

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Application

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Abstract (en)

[origin: CA2785605A1] The invention relates to a switching unit (1) for switching high DC voltages, in particular for a galvanic DC interruption between a DC source (2) and an electrical device (3). The switching unit (1) comprises two connections (11, 12), which protrude out of a housing (10) and are coupled electrically conductively via a conductor path (22), a contact system (7) arranged between the first and the second connection (11, 12) and a disconnecting apparatus (27, 27') which can be triggered by means of a thermal fuse (8). The thermal fuse (8) comprises a fusing point (19) arranged in the conductor path (22), said fusing point being connected firstly to the contact system (7) and secondly to the first connection (12), via a movable conductor section (20). The disconnecting apparatus (27, 27') is triggered and the connection between the conductor section (20) and the contact system (7) at the fusing point (19) is disconnected when, as a result of an arc (26) produced when the contact system (7) opens, the fusing temperature of the fusing point (19) is reached or is exceeded.

IPC 8 full level

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