

Title (en)
UNIDIRECTIONAL SWITCHING DC-CONTACTOR

Title (de)
UNIDIREKTIONAL SCHALTENDES DC-SCHÜTZ

Title (fr)
CONTACTEUR À COURANT CONTINU ET UNIDIRECTIONNELLEMENT COMMUTANT

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Application
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Abstract (en)
[origin: WO2012010227A1] The present invention relates to a unidirectionally switching direct-current contactor, comprising a twin break having two contact points, which each have a fixed contact and a movable contact, wherein the movable contacts are arranged on a contact bridge and wherein a switch arc is formed at each of the contact points when the contact points open, and comprising an arc suppression device and comprising at least one blowing device for blowing at least one of the switch arcs from the corresponding contact point. The aim of the invention is to provide a unidirectionally switching direct-current contactor that is characterized by high compactness and low production effort. For this purpose, a jumper plate is arranged adjacently to the movable contact of the first contact point, wherein the contact bridge and the jumper plate are electrically insulated from each other and the jumper plate is electrically connected to the fixed contact of the second contact point so that the first switch arc at the first contact point jumps from the contact bridge to the jumper plate due to the blowing by the blowing device and thus the second switch arc at the second contact point is bridged.

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