

Title (en)

Circuit breaker with terminals for different rated currents

Title (de)

Leistungsschalter mit Anschlussschienen für verschiedene Nennströme

Title (fr)

Disjonteur avec des bornes pour plusieurs intensités nominales

Publication

EP 1065683 A2 20010103 (DE)

Application

EP 00250212 A 20000627

Priority

DE 19930813 A 19990630

Abstract (en)

A low-voltage (LV) circuit-breaker has a housing comprising of a rear-wall and a front-part, and containing a contact system which has at least one, ideally two, approximately parallel, withdrawable connection rails or bars, for connecting the contact system to an external circuit. The connection rails extend through window apertures located in the rear wall of the housing and are positioned in the housing by spacers. One of the connection rails serves as a carrier for a positionally-fixed switching contact and a arcing horn, while the other connection rails are joined via a hinged- or flexible-conduction arrangement to a moveable switching contact of the switching contact system. The connecting rails (2;3) are shaped so that the spacers (12-15) are each integrated as an integral part into the connection rails (2;3). The cross-section of the current-carrying part of each connection rail is selected to correspond to the required rated current of the LV circuit-breaker (1).

Abstract (de)

Die Erfindung betrifft einen Niederspannungs-Leistungsschalter (1) mit aus einem profilierten Halbzeug hergestellten Anschlußschienen, bei dem die Anschlußschienen (2; 3) so gestaltet sind, daß die Distanzstücke (12; 13; 14; 15) jeweils als einstückiges Teil in die Anschlußschienen (2; 3) integriert sind. Dabei ist der Querschnitt des stromtragenden Teiles jeder Anschlußschiene (2; 3) dem geforderten Bemessungsstrom des Niederspannungs-Leistungsschalters (1) entsprechend gewählt und die Abmessungen der Distanzstücke entsprechen der Differenz zwischen der Dicke der verwendeten Anschlußschienen (2;3) und der Größe der Durchtrittsöffnungen (10; 11). <IMAGE>

IPC 1-7

H01H 1/58; H01H 71/06; H01H 71/08; H01H 71/04

IPC 8 full level

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CPC (source: EP)

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Cited by

DE102007040170A1; CN105931927A; EP1727168A3; US7307227B2; WO2004073127A1

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