

Title (en)

Low voltage switching device with connecting bars and method for indicating the rated current of the switching device

Title (de)

Niederspannungs-Schaltgerät mit Anschlussschienen sowie Verfahren zur Erkennung des Bemessungsstromes des Schaltgerätes

Title (fr)

Appareil interrupteur de basse tension avec rails de raccordement et méthode pour indiquer le courant nominal de l'appareil interrupteur

Publication

EP 1058281 B1 20030813 (DE)

Application

EP 00250169 A 20000531

Priority

- DE 19925966 A 19990531
- DE 10021272 A 20000426

Abstract (en)

[origin: EP1058281A2] A low-voltage (LV) circuit-breaker (1) has a housing with rear-wall (4) and a frontal part containing a contact system that has at least one, and ideally, two parallel withdrawable connection rails (5,6) for connecting the contact system to an external circuit. The connecting rails (5,6) extend through window-openings located in the rear-wall (4) and are locked by fixture devices in the housing. One (5) of the connecting rails serves as a carrier of a positionally fixed switch-contact (3) and of an arcing horn (7), while the other (6) connecting rails (5,6) are connected by a hinged conductor arrangement (8) to a movable switch-contact (2) of the contact system. The exposed frontal faces of the frontal ends of the connecting rails (5,6), to which connect the contact surfaces for joining the connecting rails (5,6) to the external circuit, have recesses (11,2) for enlarging the heat-emitting surface.

IPC 1-7

H01H 1/58; **H01H 9/52**; **H01H 71/06**

IPC 8 full level

H01H 1/58 (2006.01); **H01H 9/52** (2006.01); **H01H 71/06** (2006.01); **H01H 71/08** (2006.01)

CPC (source: EP)

H01H 1/58 (2013.01); **H01H 9/52** (2013.01); **H01H 71/06** (2013.01); **H01H 71/08** (2013.01); **H01H 2009/188** (2013.01); **H01H 2011/0093** (2013.01)

Cited by

DE10219561A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 1058281 A2 20001206; **EP 1058281 A3 20020424**; **EP 1058281 B1 20030813**

DOCDB simple family (application)

EP 00250169 A 20000531