

Title (en)

MEDIUM VOLTAGE LOAD BREAK SWITCH

Title (de)

MITTELSPANNUNGS-LASTTRENNSCHALTER

Title (fr)

SECTIONNEUR À COUPURE EN CHARGE À MOYENNE TENSION

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2020229011A1] The invention relates to a medium-voltage circuit breaker, comprising: - two contacts mounted so as to be movable relative to one another, a first of the contacts being a pin contact (18) and the second of the contacts being a hollow contact (4) having a contact bore (16) for accommodating the pin contact (18), - a hollow contact system (6) which comprises the hollow contact (4) and a compression volume (20), - an arcing chamber (14), - an insulating material nozzle (8) which surrounds at least one of the contacts (4, 18) and comprises a self-blast volume (10) for accommodating an insulating gas, the self-blast volume (10) having an opening (12) to the arcing chamber (14), - a plunger (24) which is movably mounted with respect to the hollow contact system (6), wherein - the contact bore (16) opens into the arcing chamber (14) on a first side (17) and is connected to the compression volume (20) on a second side (19), - the compression volume (20) is delimited by the plunger (24) on a side (22) facing away from the contact bore (16), - the plunger (24) performs a translational movement (26) with respect to the hollow contact system (6) during an opening movement of the contacts (4, 18) and causes the compression volume (20) to reduce.

IPC 8 full level

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