

Title (en)

GAS-INSULATED LOAD-BREAK SWITCH WITH A QUENCHING COIL

Title (de)

GASISOLIERTER LASTTRENNSCHALTER MIT EINER LÖSCHSPULE

Title (fr)

SECTIONNEUR SOUS CHARGE ISOLE DE GAZ AVEC UNE BOBINE DE SOUFFLAGE

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Application

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Abstract (en)

[origin: WO9949488A1] The invention relates to a blow-out coil for gas-insulated load-break switches whose phases have one fixed and one mobile contact, comprising a winding body supporting a single- or multi-layer winding connected to a fixed contact potential, and a field-control electrode. According to the invention the blow-out coil is configured in such a way that it can be used at lower cost and almost universally in load-break switches or switches requiring a load switching capacity. To this end the turn (9; 24) of the winding (6; 19) facing the contacts (2/4; 2a/4a; 15/25) is uninsulated, the end section (10; 23) of said turn (9; 24) is pointed towards the fixed-contact-side base of the electric arc and the free end of the end section (10; 23) is positioned at a minimum distance to said base and to the mobile contact (4; 4a; 25) which can be moved past said end.

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