

Title (en)
GAS-INSULATED HIGH OR MEDIUM VOLTAGE CIRCUIT BREAKER

Title (de)
GASISOLIERTER HOCH- ODER MITTELSPANNUNGSLEISTUNGSSCHALTER

Title (fr)
DISJONCTEUR HAUTE OU MOYENNE TENSION ISOLÉ AU GAZ

Publication
EP 4125108 B1 20240131 (EN)

Application
EP 21187695 A 20210726

Priority
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Abstract (en)
[origin: EP4125108A1] The invention relates to a gas-insulated high or medium voltage circuit breaker (1) comprising: a first arcing contact (2) and a second arcing contact (3), whereby the first arcing contact (2) and/or the second arcing contact (3) is axially movable along a switching axis (4), thereby forming, during a breaking operation, an arc (5) between the first arcing contact (2) and the second arcing contact (3) in an arcing region (6), a first nominal contact (7) circumferentially surrounding the first arcing contact (2) and a second nominal contact (8) circumferentially surrounding the second arcing contact (3), a first side shield (9) and a first side cylinder (10) circumferentially surrounding the first nominal contact (7) and a second side shield (11) and a second side cylinder (12) circumferentially surrounding the second nominal contact (8), a chamber insulating tube (13) connecting the first side shield (9) and the second side shield (11) circumferentially around the arcing region (6), and at least one one-way valve (14) configured for allowing, during the breaking operation, an arc-extinguishing gas to escape from the arcing region (6) and/or to enter the chamber insulating tube (13).

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