

Title (en)

AN ELECTRIC POLE UNIT FOR MEDIUM VOLTAGE GAS-INSULATED CIRCUIT BREAKERS

Title (de)

ELEKTRISCHE POLEINHEIT FÜR GASISOLIERTE MITTELSPANNUNGS-SCHUTZSCHALTER

Title (fr)

UNITÉ DE PÔLE ÉLECTRIQUE POUR DISJONCTEURS À ISOLATION GAZEUSE MOYENNE TENSION

Publication

EP 3093866 A1 20161116 (EN)

Application

EP 15167511 A 20150513

Priority

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Abstract (en)

An electric pole unit (1) for a MV gas-insulated circuit breaker characterised in that it comprises: - an insulating housing (2) defining an internal volume (3), in which a dielectric gas is contained; - a first pole terminal (11) and a second pole terminal (12); - an interruption unit (6), which is positioned in the internal volume of said electric pole unit, said interruption unit comprising: - a fixed contact assembly (4), which is electrically coupled to said first pole terminal (11); - a moving contact assembly (5), which is adapted to be coupled with or separated from said fixed contact assembly during a switching operation of said circuit breaker; - a compression cylinder (7), which is adapted to define a gas compression chamber (62) of said interruption unit, said moving contact assembly being operatively coupled with said compression cylinder so as to move along said compression chamber during a switching operation of said circuit breaker. Said compression cylinder (7) is at least partially made of conductive material and is electrically coupled with said second pole terminal (12). Said electric pole unit comprises sliding contact means (8) electrically coupling said moving contact assembly (5) and said compression cylinder.

IPC 8 full level

H01H 33/90 (2006.01)

CPC (source: EP)

H01H 33/90 (2013.01); **H01H 33/901** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

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