

Title (en)
MULTI-POLE DOUBLE-BREAKPOINT PLASTIC-SHELL CIRCUIT BREAKER

Title (de)
MEHRPOLIGER SCHUTZSCHALTER MIT KUNSTSTOFFGEHÄUSE UND DOPPELTEM BRUCHPUNKT

Title (fr)
DISJONCTEUR À BOÎTIER EN PLASTIQUE À DOUBLE POINT DE COUPURE MULTIPOLAIRE

Publication
EP 3223296 A1 20170927 (EN)

Application
EP 15862046 A 20151009

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Abstract (en)
The invention relates to a multi-pole double-break contact plastic case circuit breaker. A plurality of single pole circuit breaking units are arranged in an insulation case. The unit plastic case of each single pole circuit breaker is provided with a contact system and a matched arc extinguishing system. The contact system of each pole comprises two static contacts configured oppositely and a bridge-shaped movable contact, wherein each bridge-shaped movable contact is mounted on a contact support. Each arc extinguishing system comprises two arc extinguishing chambers that are arranged symmetrically. Outer rings of a plurality of rolling bearings are fixedly mounted on partition walls through a bearing mechanism, inner rings of the rolling bearings are directly connected with the contact supports in a stationary fit manner, and every two adjacent contact supports are in plug connection directly in a stationary fit manner; a cylindrical chamber for accommodating each contact support is arranged between two arc extinguishing chambers of the unit plastic case of each single pole circuit breaking unit. Therefore, high sensitivity and high precision of rotation of each contact support are ensured, and the precision and synchronism requirements can be ensured through machining just relying on the precision of a die itself.

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Cited by
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