

Title (en)

Assembling process for phase/neutral conductor circuit breakers and circuit breaker of that kind.

Title (de)

Montageverfahren für Phasen-Neutralleiter-Schutzschalter und Schutzschalter dieser Bauart.

Title (fr)

Procédé d'assemblage de disjoncteurs de phase et de neutre et disjoncteur de ce type.

Publication

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Application

EP 92440057 A 19920513

Priority

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Abstract (en)

[origin: EP0569651A1] Process for assembling a phase/neutral conductor circuit breaker comprising, in a box, which is preferably modular and intended to be fixed to a support rail, and including two half-shells (10, 11) and a dividing partition or spacer (12), connection terminals, pairs of fixed contacts (20, 35) and moving contacts (17, 29), arc cutoff chambers (24, 38), a control mechanism with lock (40) for manually operating the moving phase/neutral contacts between a closed position bearing on the fixed contacts and an open position separated from them, this lock mechanism comprising a moving-contact holder (41) and disconnection means, particularly thermal (27) and/or magnetic (33). The phase circuit is split into two parts, on the one hand a moving-contact sub-assembly and on the other hand a magnetic sub-assembly (31) including the fixed phase contact (35), whilst the moving (17) and fixed (20) neutral contacts form part of moving- (13) and fixed- (18) contact sub-assemblies respectively, these phase/neutral sub-assemblies incorporating their links to the corresponding terminal and to an arc guidance piece, as well as their respective connection terminals. The circuit breaker is assembled along a single mounting axis starting from one of the two half-shells which then forms a mounting platform. All the internal components of the circuit breaker are installed with the same orientation parallel to a vertical plane perpendicular to the box.
<IMAGE>

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Cited by

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