

Title (en)
Circuit breaker with neutral-line disconnection.

Title (de)
Schalter mit Trennung des Nulleiters.

Title (fr)
Disjoncteur à sectionnement de neutre.

Publication
EP 0108022 A1 19840509 (FR)

Application
EP 83402119 A 19831028

Priority
FR 8218219 A 19821029

Abstract (en)
1. A circuit breaker of the type comprising, in the same casing (10), two phase contacts (13A, 13B) of which one at least which is movable is urged by resilient opening means towards a tripped position in which it is spaced from the other phase contact, a manual tripping and closing member (23) which is mounted movably between a closing position and a tripping position and which is urged towards its tripping position by resilient return means, a control mechanism (35) which is adapted to provide, on the one hand, under the control of the manual tripping and closing member (23), that the movable phase contact (13B) moves to and remains in the closed position and, on the other hand, under the control of a thermal and/or electromagnetic tripping member, that said movable phase contact (13B) is freed, and two neutral contacts (40A, 40B) of which one, which is movable, is pilot controlled in respect of opening and closing by said manual tripping and closing member (23), cam means being provided for that purpose between said movable neutral contact and said manual member, characterised in that said cam means comprise a ramp (61) which is formed by the side of a slot (63) which is provided in the manual tripping and closing member (23) in recessed relationship therein, co-operating with return means (40, 70) for return to the closure position of the neutral contacts (40A, 40B) in response to a movement of the manual tripping and closing member (23) towards its closure position.

Abstract (fr)
Ce disjoncteur est du genre comportant, dans un même boîtier (10), outre des contacts de phase, des contacts de neutre (40A, 40B) dont un, le contact de neutre mobile (40B) est piloté par la manette d'enclenchement et de déclenchement (23), des moyens de came étant prévus à cet effet entre lui et celle-ci; suivant l'invention, les dits moyens de came comportent une rampe (61), qui est formée par le flanc d'une coulisse (63) que présente en creux la manette d'enclenchement et de déclenchement (23).

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CPC (source: EP)
H01H 71/002 (2013.01); **H01H 1/42** (2013.01); **H01H 15/102** (2013.01)

Citation (search report)
• DE 960116 C 19570314 - LICENTIA GMBH
• EP 0011440 A1 19800528 - CUTLER HAMMER WORLD TRADE INC [US]
• US 2907856 A 19591006 - BALLOU RICHARD P

Cited by
EP0540431A1; FR2683089A1; US5357066A

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