

Title (en)

SPRING-DRIVEN MECHANISM FOR A RECTILINEAR DISPLACEMENT CIRCUIT BREAKER

Title (de)

FEDERANTRIEBSMECHANIK FÜR EINEN LEISTUNGSSCHALTER MIT GERADLINIGER BEWEGUNG

Title (fr)

MECANISME DE COMMANDE A RESSORTS POUR DISJONCTEUR A MOUVEMENT RECTILIGNE

Publication

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Application

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Abstract (en)

[origin: WO03071564A1] The invention concerns a spring-driven mechanism for rectilinear displacement circuit breaker, enabling performance of an opening, closing and reopening cycle, said mechanism acting on the control rod (3) of the circuit breaker, and comprising a closing spring (10) and an opening spring (11), said opening spring (11) acting on said control rod (3). The invention is characterized in that the closing spring (10) acts on the end of a crank (25), whereof the other end is linked to a shaft (27), integral with a flywheel (26), and whereon is mounted a closure cam (28) which co-operates with a travelling roller (17) located on said control rod (3), and a closure latch (34) enables to maintain the closing spring (10) in loaded position, the opening of said latch releasing the closing spring (10) and causing said cam (28) to be driven in rotation in the direction where it ensures closure of the circuit breaker and resetting the opening spring (11), and it comprises a resetting motor (29) coupled, via a freewheel mechanism (32), to said shaft (27), an opening release latch (33) enabling to maintain the control rod (3) in closed position countering the force of said opening spring (11) and being controllable to be opened.

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