

Title (en)

OPERATING MECHANISM OF 2P2 MODULUS ELECTROMAGNETIC RESIDUAL CURRENT CIRCUIT BREAKER WITH OVERCURRENT PROTECTION

Title (de)

BETÄTIGUNGSMECHANISMUS EINES ELEKTROMAGNETISCHEN RESTSTROMSCHUTZSCHALTERS MIT 2P2-MODULUS UND ÜBERSTROMSCHUTZ

Title (fr)

MÉCANISME DE FONCTIONNEMENT D'UN DISJONCTEUR À COURANT RÉSIDUEL ÉLECTROMAGNÉTIQUE À MODULE 2P2 DOTÉ D'UNE PROTECTION CONTRE LES SURINTENSITÉS

Publication

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Application

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Abstract (en)

The present invention relates to an operation mechanism of a 2P2M electromagnetic residual current circuit breaker with overcurrent protection (RCBO), including a handle, a connection rod, and a contact lever. A first hinging and linking shaft is disposed in the middle part of the contact lever. The contact lever is linked to a first latch and a second latch. A relative linkage structure is disposed between the first latch and the second latch. The other end of the contact lever opposite to one end linked to the connection rod is provided with a second hinging and linking shaft. The contact lever is linked to a first movable contact and a second movable contact. A first reset spring and a second reset spring are sleeved on the second hinging and linking shaft. The present invention has the following advantages. In the operation mechanism of a 2P2M electromagnetic RCBO, a single handle may control multiple circuit breakers. This simplifies a structure and reduces the overall structural complicity of the circuit breaker and a quantity of components, so that costs are reduced and processing and assembly are convenient.

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