

Title (en)
RESIDUAL CURRENT DEVICE OF 2P2 ANALOG-TO-DIGITAL ELECTROMAGNETIC RESIDUAL CURRENT CIRCUIT BREAKER WITH
OVERCURRENT PROTECTION

Title (de)
RESTSTROMVORRICHTUNG EINES 2P2-ANALOG-DIGITAL-ELEKTROMAGNET-RESTSTROMSCHUTZSCHALTERS MIT
ÜBERSTROMSCHUTZ

Title (fr)
DISPOSITIF À COURANT RÉSIDUEL DE DISJONCTEUR DE COURANT RÉSIDUEL ÉLECTROMAGNÉTIQUE ANALOGIQUE-NUMÉRIQUE 2P2
À PROTECTION CONTRE LES SURINTENSITÉS

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Application
EP 21844614 A 20210827

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Abstract (en)
The present invention relates to a current leakage protection apparatus of a 2P2M electromagnetic residual current circuit breaker with overcurrent protection (RCBO), including a housing, a current leakage tripping action mechanism, and a test circuit mechanism. The test circuit mechanism includes a conductivity test torsion spring, a hinging and linking shaft, and a test button. One end of the conductivity test torsion spring abuts against the test button. The housing is provided with a linkage hole in a direction of a movable contact of the circuit breaker. The other end of the conductivity test torsion spring is embedded in the linkage hole. The housing is provided with a test resistor. The present invention has the following advantages. The current leakage protection apparatus of a 2P2M electromagnetic RCBO improves a structure of a test circuit. Compared with a test circuit module in the prior art, the structure is simple and there is a small quantity of components. In this way, mounting space and costs are reduced, and it's easier for workers to perform overall assembly.

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