

Title (en)

2P2M ELECTROMAGNETIC RESIDUAL CURRENT CIRCUIT BREAKER WITH OVERCURRENT PROTECTION

Title (de)

2P2M ELEKTROMAGNETISCHER FEHLERSTROM LEISTUNGSSCHALTER MIT ÜBERSTROM SCHUTZ

Title (fr)

2P2M DISJONCTEUR ÉLECTROMAGNÉTIQUE AVEC PROTECTION CONTRE DU COURANT RÉSIDUEL

Publication

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Application

EP 21844626 A 20210827

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Abstract (en)

[origin: EP4089707A1] The present invention relates to a 2P2M electromagnetic residual current circuit breaker with overcurrent protection (RCBO), including a housing. A circuit breaker module, a current leakage protection module linked to the circuit breaker module, and a handle linkage mechanism configured to control the circuit breaker module and the current leakage protection module are disposed in the housing. The circuit breaker module includes a first pole circuit breaker protection apparatus disposed on one side of the housing. The current leakage protection module includes a current leakage protection apparatus disposed on the other side of the housing. The circuit breaker module further includes a second pole circuit breaker protection apparatus disposed in the housing and between the first pole circuit breaker protection apparatus and the current leakage protection apparatus. An inner structure of the first pole circuit breaker protection apparatus is identical to an inner structure of the second pole circuit breaker protection apparatus. The present invention has the following advantages. The 2P2M electromagnetic RCBO adopts a standard modularized layout design and has a small quantity of components, and is thus simple in manufacturing, easy to maintain and repair, and costs less.

IPC 8 full level

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