

Title (en)
RESIDUAL CURRENT OPERATED CIRCUIT BREAKER

Title (de)
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Title (fr)
DISJONCTEUR ACTIONNÉ PAR COURANT RÉSIDUEL

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Application
EP 22937661 A 20220907

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Abstract (en)
The present invention discloses a residual current operated circuit breaker, belonging to the technical field of low-voltage electrical appliances. The residual current operated circuit breaker includes an electric leakage tripping pole module, and an L-pole circuit breaker module and an N-pole circuit breaker module disposed on both sides of the electric leakage tripping pole module, wherein the L-pole circuit breaker module includes an L-pole moving contact mechanism; the N-pole circuit breaker module includes an N-pole moving contact mechanism; the electric leakage tripping pole module includes an electric leakage jump buckle, an electric leakage lock buckle, a resetting member, a rocker arm, an assembling shaft and a tripping device; the rocker arm abuts against the resetting member; the assembling shaft is in linkage with the L-pole moving contact mechanism and the N-pole moving contact mechanism; the rocker arm is connected to one side of the electric leakage lock buckle; at least one of the rocker arm and the electric leakage lock buckle can abut against the assembling shaft; and when the electric leakage jump buckle is separated from the electric leakage lock buckle, the resetting member drives the rocker arm to rotate, so that at least one of the rocker arm and the electric leakage lock buckle pushes the assembling shaft. The L-pole circuit breaker module and the N-pole circuit breaker module are disconnected at the same time, and thus the disconnection capacity is improved.

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