Title (en)
CIRCUIT BREAKER

Title (de)
SCHUTZSCHALTGERÄT

Title (fr)
DISJONCTEUR

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Abstract (en)
[origin: WO2023052148A1] The invention relates to a circuit breaker for protecting an electric low-voltage circuit, having: - a housing with grid-side connections and load-side connections for conductors of the low-voltage circuit; - a series circuit consisting of a mechanical separating contact unit and an electronic interruption unit, wherein - the separating contact unit is paired with the grid-side connections, and the interruption unit is paired with the load-side connections, and - the mechanical separating contact unit has a handle for closing and opening contacts; and - a current sensor unit, which is arranged in a conductor between the separating contact unit and the interruption unit, for ascertaining the level of the current of the low-voltage circuit. The circuit breaker is designed such that when current thresholds and/or current/time thresholds are exceeded, a process for preventing a current flow in the low-voltage circuit is initiated, and a power supply unit for supplying energy to the circuit breaker is provided, said power supply unit being connected to conductors of the low-voltage circuit between the grid-side connection and the separating contact unit.

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