

Title (en)
CIRCUIT BREAKER

Title (de)
SCHUTZSCHALTGERÄT

Title (fr)
DISJONCTEUR

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Application
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Abstract (en)
[origin: WO2023052110A1] The invention relates to a circuit breaker for protecting an electric low-voltage circuit, having: - a mechanical separating contact unit which is connected to an electronic interruption unit in series, wherein the mechanical separating contact unit has a handle for opening at least one contact in order to prevent a current flow or for closing the at least one contact for a current flow in the low-voltage circuit; and - a control unit which is connected to the mechanical separating contact unit and the electronic interruption unit. The circuit breaker is designed such that a process for interrupting the current flow in the low-voltage circuit by means of the mechanical separating contact unit and/or the electronic interruption unit is initiated if current thresholds or current/time thresholds are exceeded, and the circuit breaker is designed such that the at least one contact of the mechanical separating contact unit can be closed by the handle only after a release signal for closing the at least one contact is provided.

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