

Title (en)
CIRCUIT PROVIDED WITH A PROTECTIVE FUNCTION

Title (de)
SCHALTUNGSANORDNUNG MIT SICHERHEITSFUNKTION

Title (fr)
CIRCUITERIE DOTEE D'UNE FONCTION DE SECURITE

Publication
EP 1166305 A1 20020102 (DE)

Application
EP 00917008 A 20000329

Priority
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• EP 0002735 W 20000329

Abstract (en)
[origin: US6614635B2] A protective circuit arrangement includes at least two power contactors that have main make contact elements arranged in enable circuits. Each main make contact element of a power contactor is connected in series to a main make contact element of another power contactor in each respective enable current circuit. A respective coil circuit make contact element is provided in the coil current circuit of each coil of each power contactor, whereby the coil circuit make contact elements can be jointly actuated. The main make contact elements of each power contactor are disposed between two respective auxiliary contact units which each have a respective make contact element and a respective break contact element, and which are respectively configured as positively driven contacts. The make contact elements of all auxiliary contact units are connected in series in a first indicator circuit, and the break contact elements of all auxiliary contact units are connected in series in a second indicator circuit. The main make contact elements and the contacts of the assigned auxiliary contact units are fixed on a common contact bridge.

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H01H 47/00

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