

Title (en)

CURRENT TRANSFORMER FOR LOW VOLTAGE RESIDUAL CURRENT CIRCUIT BREAKERS

Title (de)

CURRENT TRANSFORMER FÜR EINEN NIEDERSpannungs-Fehlerstromschutzschalter

Title (fr)

TRANSFORMATEUR DE COURANT POUR DISJONCTEURS DE COURANT RÉSIDUEL À BASSE TENSION

Publication

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Application

EP 14795967 A 20141014

Priority

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Abstract (en)

[origin: WO2015055628A1] A current transformer (1) for low voltage residual current circuit breakers characterized in that it comprises: - a first magnetic core (2); - primary winding means comprising one or more primary conductors (31, 32, 33, 34) passing through said first magnetic core; - secondary winding means comprising one or more first secondary conductors (42) passing through said first magnetic core; - first electric contacts (51, 52, 53, 54) and second electric contacts (61, 62, 63, 64) for connection of said primary conductors to one or more further conductors. The primary conductors (31, 32, 33, 34) are formed by conductive bars each having a first shaped end (311, 321, 331, 341) and a second shaped end (312, 322, 332, 342). The current transformer comprises a first printed circuit (5) comprising one or more first conductive pads (51, 52, 53, 54) arranged to form the first electric contacts of said current transformer. Each of said conductive bars has the first shaped end (311, 321, 331, 341) fixed to said first printed circuit at a respective first conductive pad (51, 52, 53, 54) of said first printed circuit so as to be mechanically supported by said first printed circuit and be electrically connected to said first conductive pad.

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