

Title (en)
PLUG BRIDGE WITH CLOSED FOLDING PINS

Title (de)
STECKERBRÜCKE MIT GESCHLOSSENEN FALTSTIFTEN

Title (fr)
PONT DE CONNECTEUR À BROCHE REPLIABLE FERMÉE

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Application
EP 12723471 A 20120523

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Abstract (en)
[origin: WO2012160099A1] The invention relates to a plug bridge for an electrical device plug (1) for connecting electrical devices to a plug receptacle of an AC power supply system, wherein the device plug (1) is formed as a unit by the plug bridge which is connected to the end piece of a three-core connection cable for the device and is encapsulated in an injection mould and, for its part, is constructed from a dimensionally stable insulating body (2) for receiving and fixing a respectively rectangular phase conductor pin (3b), neutral conductor pin (3c) and earth conductor pin (3a), wherein the phase conductor pin (3b), neutral conductor pin (3c) and earth conductor pin (3a) each comply with British standard BS1363 and wherein the phase conductor pin (3b), neutral conductor pin (3c) and earth conductor pin (3a) are each designed as a folding pin which is drawn from an initially flat stamped part, which is composed of sheet metal (16), to its final three-dimensional shape, unfolded and filled with plastic in its hollow spaces and intermediate spaces during the injection process of the insulating body (2), which plug bridge is characterized in that, after encapsulation, on the plug receptacle side, all the surfaces of the phase, neutral and earth conductor pins (3a, b, c) produced in this way, including the insertion slopes (5), are composed of the sheet metal (16) at least as far as the insulation (4) on the insulating body. A considerable amount of material can be saved, during production, by means of the plug bridge according to the invention, but there is no accumulation of plastic on the plug pins (3a, b, c) in the region in which contact is made on the plug receptacle side.

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