

Connector bridge having closed folding pins

Abstract

The invention relates to a connector bridge for an electrical device connector (1) for connecting electrical devices to a plug socket of an alternating current network, the device connector (1) being formed as a unit by the connector bridge which is connected to the end piece of a three-core connection cable for the device and which is extrusion-coated in an injection mould, and which is itself constructed from a dimensionally stable insulation member (2) for receiving and fixing a rectangular phase conductor pin (3b), neutral conductor pin (3c) and earth conductor pin (3a), the phase conductor pin (3b), neutral conductor pin (3c) and earth conductor pin (3a) each complying with the British standard BS1363 and the phase conductor pin (3b), neutral conductor pin (3c) and earth conductor pin (3a) each being in the form of a folding pin which is drawn into its definitive spatial shape from an initially flat punched component comprising metal sheet (16), is folded and is filled with plastics material in its empty and intermediate spaces during the injection moulding process of the insulation member (2), which connector bridge is characterised in that, after the extrusion coating, at the plug socket side all the surfaces of the phase, neutral and earth conductor pins (3a, b, c) produced in that manner, including the inclined introduction members (5), at least as far as the insulation (4) at the insulation member side comprise the metal sheet (16). Using the connector bridge according to the invention, during the production a considerable amount of material can be saved, but the connector pins (3a, b, c) do not have any inserts of plastics material in the region of the plug-socket-side contacting.

Fig. 1