

Title (en)

ELECTRICAL PLUG-IN CONNECTOR WITH AT LEAST ONE INSULATION DISPLACEMENT CONTACT ELEMENT CONSISTING OF A SHEET METAL STAMPING, AND CORRESPONDING MATING CONNECTOR

Title (de)

ELEKTRISCHER STECKVERBINDER MIT MINDESTENS EINEM SCHNEIDKLEMMKONTAKTELEMENT AUS EINEM BLECHSTANZTEIL SOWIE KORRESPONDIERENDER GEGENSTECKVERBINDER HIERZU

Title (fr)

CONNECTEUR ELECTRIQUE ENFICHABLE COMPRENANT AU MOINS UN ELEMENT DE CONTACT A GUILLOTINE CONSTITUE PAR UNE PARTIE ESTAMPEE EN TOLE, ET CONTRE-CONNECTEUR CORRESPONDANT

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Abstract (en)

[origin: US6616476B1] The invention relates to an electrical plug connector comprising at least one plug connector housing and at least one insulation displacement contact element that can be plugged into the plug connector housing and comprises a sheet-metal stamping, which element has a contact baseplate, on which, on mutually opposite edges, a first contact plate and a second contact plate are integrally formed in one piece in a manner such that they are bent away in the same direction via a respective bending zone, the contact plates each having an insulation displacement contact device for a conductor wire, and contact-making elements for forming a contact-making device for making releasably pluggable contact with a mating plug contact element being provided on the insulation displacement contact element, in which case at least one contact plate is embodied as a contact arm in which the insulation displacement contact device is accommodated at its bending zone end region and whose free end has at least one element of the contact-making device, and to a mating plug connector having a mating plug connector housing which has a connection region, located in which there is at least one mating insulation displacement contact element for making contact with a conductor wire, and a plug receptacle device for a plug connector, said device being arranged in an extension of the connection region, in which case a contact zone of the mating insulation displacement contact element is formed in the manner of a printed circuit board edge contact element and projects into the plug receptacle device.

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