Title (en)

PLUG-TYPE CONNECTOR WITH INSULATION DISPLACEMENT CONTACT

Title (de)

STECKVERBINDER MIT SCHNEIDKLEMMKONTAKT

Title (fr)

CONNECTEUR À FICHE AVEC CONTACT AUTODÉNUDANT

Publication

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Application

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Abstract (en)

[origin: WO2018210716A1] The invention relates to a plug-type connector for connecting a cable comprising at least one wire to a respective plug contact (42), said connector comprising: a first housing part (1) with a first longitudinal axis (X), comprising at least one plug contact (42) and at least one insulation displacement contact (40) that is electrically connected to the respective plug contact (42) and embodied therewith such that it has a insertion slot with a cutting intake direction (Z) for a respective wire, for clamping the respective wire therein; a connection block (3) comprising a respective wire channel (32) for guiding the respective wire; and a second housing part (2) with a second longitudinal axis, comprising the connection block (3). According to the invention, the first housing part (1) and the second housing part (2) are interconnected by means of a common hinge connection with an axis of rotation; the hinge connection is designed such that the second housing part (2) can be pivoted out of a first position into a second position, about the axis of rotation towards the first housing part (1), the respective wire being insertable into the respective wire channel (32) of the connection block (3) in the first position, and, in the second position, the second housing part (2) starting to press the connection block with the respective wire guided in the respective wire channel (32) against the respective insulation displacement contact (40); and the hinge connection is designed such that the second housing part (2) can move on the first housing part (1), out of the second position into a third position in which the connection block (3) with the respective wire guided in the respective wire channel (32) is fully pressed onto the at least one insulation displacement contact. The hinge connection is also designed to allow an insertion movement out of the second position into the third position such that the second housing part (2) inserts the respective wire into the respective insulation displacement contact (40) in an exclusively translatory manner in the cutting intake direction (Z) towards the first housing part (1) .

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