

Title (en)
PLUG-IN CONNECTION HAVING A LOCKING ELEMENT

Title (de)
STECKVERBINDUNG MIT VERRIEGELUNGSELEMENT

Title (fr)
DISPOSITIF DE CONNEXION À ENFICHAGE COMPORTANT UN ÉLÉMENT DE VERROUILLAGE

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Application
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Abstract (en)
[origin: WO2020157329A1] The invention relates to a plug-in connection, comprising: an electrical connector having an electrical connector housing (1); and a mating electrical connector (17), which can be plugged together with the electrical connector. The electrical connector has a superstructure (4), and the superstructure (4) receives a locking element (8) in a pre-latching position and in a final latching position. The electrical connector has first detent elements and the locking element (8) has first detent elements corresponding thereto. The mating electrical connector (17) has additional detent elements and the locking element (8) has additional detent elements corresponding thereto. The locking element (8) is first fastened to the electrical connector in the pre-latching position by means of the first detent elements corresponding to one another before the mating electrical connector is inserted into the electrical connector, and the additional detent elements corresponding to one another are actuated by the insertion of the mating electrical connector into the electrical connector, whereby the locking element (8) can be moved into its final latching position. The electrical connector housing (1) and the locking element (8) have third detent elements corresponding to one another, by means of which additional locking of the locking element (8) to the electrical connector is effected when the locking element has been moved into its final latching position. The superstructure (4) has a cut-out (7), and the locking element (8) has a detent protrusion (21), which can be moved into the cut-out (7). The locking element (8) has an elongate extension arm (9), at the one end of which an actuation part (10) is arranged. The first detent elements are arranged in the front end region of the extension arm (9) remote from the actuation part and the third detent elements of the locking element (7) are arranged in the region of the extension arm (9) that adjoins the actuation part (10). The plug-in connection is characterized in that the extension arm (9) has two laterally arranged pins (13) in the region between the first, front detent elements and the third, rear detent elements, the electrical connector housing (1) having, at the height of each pin (13), a contact web (25) for an end face of the pin (13) in question, each contact web (25) being spaced apart from the electrical connector housing (1) by a slot (26).

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