

Title (en)  
ELECTRICAL ZERO-FORCE PLUG CONNECTOR

Title (de)  
ELEKTRISCHER NULLKRAFTSTECKVERBINDER

Title (fr)  
CONNECTEUR ÉLECTRIQUE À FORCE D'INSERTION NULLE

Publication  
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Application  
**EP 13785387 A 20131018**

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Abstract (en)  
[origin: WO2014064018A1] The invention describes an electrical zero-force plug connector having a plug sleeve housing, which has receptacles for a plurality of sleeve contacts, having an assembly connection, which has plug pins which make contact with the sleeve contacts, wherein the sleeve contacts each have a main body, which forms contact laminations, and a clamping sleeve, which can be moved in relation to the main body, wherein, when the clamping sleeves move in relation to the main body, the clamping sleeves press the contact laminations against the plug pins of the assembly connection, wherein the plug sleeve housing has a spring-action latching hook which, after the plug sleeve housing and assembly housing are joined, latches with a latching lug of the assembly connection, wherein the plug sleeve housing has a sealing element which, after the plug sleeve housing and assembly housing are joined, bears against the inner wall of the assembly connection, wherein a bolt is arranged on the plug sleeve housing, it being possible, after the plug sleeve connection and assembly connection are joined, for said bolt to move in relation to the plug sleeve housing and said bolt, after the movement, locking the latching connection between the latching hook and latching lug, and wherein the bolt is connected to a slide, which is guided through at least one recess in the sealing element and is coupled to the clamping sleeves, and also moves the slide when it moves.

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