

Title (en)  
SELF-ADJUSTING PLUG CONNECTOR

Title (de)  
SELBSTJUSTIERENDER STECKVERBINDER

Title (fr)  
FICHE DE CONNEXION AUTO-ADJUSTABLE

Publication  
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Application  
**EP 21824365 A 20211202**

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Abstract (en)  
[origin: WO2022122543A1] The invention relates to a plug connector (13) comprising a plug part (1) having at least one male contact (8), and a mating plug part (2) having at least one female contact (11), which plug part and mating plug part have positioning means (9, 12) which correspond to one another in the insertion direction, and guide means (7, 7') which correspond to one another and which allow for the plug part (1) to be inserted into the mating plug part (2) only when the positioning means (9, 12) face one another. In the plug part (1) and the mating plug part (2), the guide means are in the form of an inclined surface (7, 7'), which surfaces either form the mutually facing end faces of an insulating body (6, 10) in the plug part (1) and mating plug part (2), or form the mutually facing end faces of a guide sleeve (24) in the plug part (1) or mating plug part (2), which guide sleeve protrudes beyond the insulating body (6, 10) in the axial direction, and of a corresponding shoulder extending around the insulating body (10, 6) of the mating plug part (2) or plug part (1). The positioning means have a detent pin (9) at the highest point (15) or deepest point (14) of the inclined surface (7, 7') and, accordingly at the deepest point (14') or highest point (15') of the inclined surface (7'), a detent opening (12) which corresponds thereto, which pin and opening extend in the longitudinal direction from the plug part (1) and mating plug part (2), wherein the detent pin (9) protrudes beyond the at least one male contact (8). The invention allows for the plug (1) and mating plug (2) to be joined blindly, and this design can be used in many plug variants.

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