

Title (en)
PLUG CONNECTOR FOR PHOTOVOLTAIC CABLE SETS

Title (de)
STECKVERBINDER FÜR PHOTOVOLTAIKKABELSÄTZE

Title (fr)
CONNECTEUR À FICHE POUR JEUX DE CÂBLES PHOTOVOLTAÏQUES

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Application
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Abstract (en)
[origin: US2010311265A1] The invention relates to a plug connector (10) with a plug (11) which has a handle element (13), a contact support (14) and at least one snap-in lug (16) pointing in the insertion direction, said lug has a snap hook (18) pointing toward the outside of the plug, and with a bushing (12) which has a handle element (21), a contact support holder (20) and at least one snap-in tunnel (22) corresponding to the snap-in lug (16) on the plug side, which is part of the handle element (21) and ends in a snap-in groove (23) arranged around the outer perimeter of the handle element (21), wherein in the inserted state of plug (11) and bushing (12), the snap-in lug passes through the snap-in tunnel and the snap-in hook engages behind the snap-in tunnel which secures the connected state. The purpose of the invention is to create a plug connector suitable for future safety requirements but which can be combined with existing plug connector components. This problem is solved by a plug connector with the characterizing features, wherein the snap-in tunnel side walls (25) extend into the region of the snap-in groove and the snap-in groove bounded on the side in this manner, is converted into a snap-in recess open toward the outside of the plug connector.

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