

Title (en)

HOUSING ASSEMBLY, PLUG CONNECTOR, AND CONNECTION ASSEMBLY WITH A CABLE-FASTENING CONNECTOR POSITION ASSURANCE

Title (de)

GEHÄUSEANORDNUNG, STECKVERBINDER UND VERBINDUNGSANORDNUNG MIT KABELBEFESTIGUNGSVERBINDERPOSITIONSSICHERUNG

Title (fr)

ENSEMBLE BOÎTIER, CONNECTEUR ENFICHABLE ET ENSEMBLE DE CONNEXION AVEC UNE ASSURANCE DE POSITION DU CONNECTEUR DE FIXATION DE CÂBLE

Publication

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Application

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Abstract (en)

The present invention relates to a housing assembly (1) for a plug connector (2) that may be plugged to a mating plug connector (6), wherein the housing assembly (1) comprises a connector housing (18) and a connector position assurance (20), wherein the connector housing (18) comprises a cable feedthrough (22) for passing a cable (8) into a housing interior (24) and a coupling device (26) which is configured to be movable towards the cable feedthrough (22) to a final plugged position (28) for plugging the plug connector (2) to the mating plug connector (6), wherein the connector position assurance (20) is configured to be movable relative to the connector housing (18) to a retaining position (48) and to be attachable at the cable feedthrough (22), wherein the connector position assurance (20) comprises a cable clamping section (50) and a locking section (70) disposed at the exterior on the cable clamping section (50), wherein the cable clamping section (50) surrounds a passage opening (52) for the cable (8) at least in sections, and wherein the locking section (70) in the retaining position (48) locks the coupling device (26) in the final plugged position (28). Due to a dual function of assuring the position and fastening the cable realized in the connector position assurance (20), the housing assembly (1) according to the invention is characterized by a comparably small number of components. Furthermore, the present invention relates to a plug connector (2) and a connection assembly (4) with such a housing assembly (1).

IPC 8 full level

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Citation (search report)

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