Title (en)

PLUG CONNECTOR HAVING A CURRENT-CARRYING LEAD

Title (de)

STECKVERBINDUNG MIT EINER STROMFÜHRENDEN LEITUNG

Title (fr)

ASSEMBLAGE PAR ENFICHAGE DOTÉ D'UNE CONDUITE CONDUCTRICE

Publication

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Application

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Abstract (en)

[origin: CA2860012A1] The invention relates to a current-carrying lead, in particular a connecting lead and a heating tape (5), for a plug connector, which current-carrying lead has at least two strands (49, 50) that are partly surrounded by electrical insulation (47). The current-carrying lead is provided with at least one reservoir (53) for an electrically insulating medium (54). The reservoir (53) is closed by least one plunger (55), by means of which the sealing medium (54) can be forced through at least one outlet nozzle (57) into at least one sealing chamber (58 to 60). The plug connector having a current-carrying lead (3, 5) has a sealing device (36) having a sealing body (66). Said sealing body has an elastically deformable sealing part (71) that can be elastically deformed by means of a wedge-type slider (77). The wedge-type slider (77) has a conical face (82) that interacts with a conical face (76) of the sealing part (71). The wedge-type slider (77), which is preloaded axially by a compression spring element (84), is guided in a holding part (78) axially securing the sealing body (76). The lead (3, 5) is supported in a strain relief device (44) by a multi-point support. Said strain relief device has pressure pieces (91 to 94) respectively located opposite one another in pairs, of which the one pressure piece pair (91, 92) is located at a right angle to the other pressure piece pair (93, 94). The pressure pieces of the one pressure piece pair (93, 94) are forcibly guided by the pressure pieces of the other pressure piece pair (91, 92).

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