

Title (en)
Electrical connector

Title (de)
Elektrischer Steckverbinder

Title (fr)
Connecteur électrique

Publication
EP 0698948 B1 19981028 (DE)

Application
EP 95113139 A 19950822

Priority
DE 9413755 U 19940826

Abstract (en)
[origin: EP0698948A1] The plug connector (10) has at least one contact element (30). The connector has two free end regions. One is formed on the plug side as a pin (32) or sleeve. The other end region (36) is on the terminal side for connection to an electric lead connection. The connector has at least one insulating body (40) with at least one hole through which the contact element (30) at least partly passes. A housing (12) surrounds the insulating body. An earth plate (54) has at least one hole through which the contact element (30) passes. The plate (64) is conductively connected to the housing (12) or is freely accessible from outside the housing. A sleeve capacitor (50) with electrically conductive inner and outer surfaces (58, 62) is plugged onto the contact element (30). The inner surface (58) is conductively connected to the contact element. The outer surface is conductively connected to the earth plate (64). An elastically deformable, electrically conductive element (52) is provided between the contact element and the capacitor inner surface. Near the capacitor, the contact element has a constant cross section. The deformable element (52) is a sleeve whose two ends have different sized cross sections. One (54) of these ends lies on the contact element (30). The other end (56) lies flat on the inner surface of the capacitor. The contact element has a radial thickened part (34) between the plug side and the terminal side. One end (70) of the capacitor (50) is directed towards this thickened part (34). An insulating plate (72) between the end (70) and the thickened part (34) has a hole such that the earth plate (64) is brought into non conductive connection with the contact element (30). The other end (74) of the capacitor is directed towards a projection (82) of an insulator (84).

IPC 1-7
H01R 13/719

IPC 8 full level
H01R 13/719 (2011.01)

CPC (source: EP)
H01R 13/719 (2013.01)

Cited by
CN101867127A; EP1191644A1; FR2814287A1

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DE 9413755 U1 19941110; DE 59504052 D1 19981203; EP 0698948 A1 19960228; EP 0698948 B1 19981028

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