

Title (en)

PLUG-AND-SOCKET DEVICE COMPRISING AN INTEGRATED DIAGNOSTIC/EVALUATION CIRCUIT, DISPLAY AND SWITCHABLE TERMINATING RESISTORS

Title (de)

STECKVORRICHTUNG MIT INTEGRIERTER DIAGNOSE-/AUSWERTESCHALTUNG, ANZEIGE UND SCHALTBAREN ABSCHLUSSWIDERSTÄNDEN

Title (fr)

DISPOSITIF ENFICHABLE A CIRCUIT DE DIAGNOSTIC / EVALUATION INTEGRE, AFFICHEUR ET RESISTANCES TERMINALES COMMUTABLES

Publication

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Application

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Abstract (en)

[origin: WO02065593A1] Plug-and-socket devices for measuring and diagnostic purposes are known. The substantial disadvantage of said plug-and-socket devices is that they only provide the mechanical and electrical connections. For diagnostic purposes an additional jack for connecting the corresponding diagnostic device must therefore be provided. According to the invention, in order to provide an automatic diagnosis when the plug-and-socket device is connected, the latter has insulation piercing connectors, screw terminals, or spring terminals for connecting at least one cable. A printed circuit board, on which a diagnostic and evaluation circuit is located, is provided in the housing of the plug-and-socket device, at least one switchable terminating resistor is provided and the plug-and-socket device has a display device that is connected to the diagnostic and evaluation circuit for the automatic, continuous display of the evaluation results. The invention is included in the domain of connecting devices for bus systems and networks in data systems and communications, as well as of computer and automated systems.

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