Title (en)

SELF-LOCKING PLUG-IN CONTACT ASSEMBLY FOR A MODULE WHICH CAN BE INSERTED INTO AN EQUIPMENT HOUSING

Title (de)

SELBSTVERRIEGELNDE EINSCHUBKONTAKTANORDNUNG FÜR EIN IN EIN GERÄTEGEHÄUSE EINSETZBARES MODUL

Title (fr)

SYSTÈME DE CONTACT INSÉRABLE À VERROUILLAGE AUTOMATIQUE DESTINÉ À UN MODULE POUVANT ÊTRE INSTALLÉ DANS UN BOÎTIER D'APPAREIL

Publication

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Application

EP 11791199 A 20111018

Priority

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Abstract (en)

[origin: WO2012052150A1] Plug-in contact devices for plug-in units in equipment cabinets, equipment housings or equipment racks have been known for a long time. Because of different shape factors, installations and connectors, a special housing design of the main equipment, the equipment cabinet or the equipment rack is generally required, in particular the installation of guide rails, and a housing design for the module to be plugged in, which is matched thereto. In order to create a self-locking plug-in contact assembly for a module which is to be inserted into an equipment housing and can be installed in the equipment and removed without opening the equipment housing, said assembly comprises: a module housing (MG) having pressure contacts (D) protruding through openings (Öl) in the base plate (BP) and further having spring contacts (F) protruding as earth contacts through openings (02) in the base plate (BP); a master circuit board (L) which has a plurality of cutouts (A1, A2, A3) and is fastened parallel to the base plate (BP) of the module housing (MG) and in the equipment housing of the equipment; and at least one detent means (R) disposed on the base (B) of the module housing (MG) in such a way that, during the plugging in of the module housing (MG), the pressure contacts (D) establish contact with contact faces on the master circuit board (L) for producing an electrical connection on the equipment side, the spring contacts (F) are guided in first cutouts (A1) in the master circuit board (L) and produce both the electrical earth connection and the mechanical connection between the module housing (MG) and the master circuit board (L), and when the detent means (R) reaches a stop, same engages in a second cutout (A2) in the master circuit board (L). The invention is in the field of telecommunications engineering or automation technology.

IPC 8 full level

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CPC (source: EP)

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