

Title (en)

Anti-hiatus device provided for a joining area of two adjacent shell portions of a housing of a modular electrical appliance

Title (de)

Vorrichtung gegen Lücken, die für eine Fugenzone von zwei aneinanderstoßenden Schalenteilen des Gehäuses eines modularen elektrischen Apparates vorgesehen ist

Title (fr)

Dispositif anti bâillement prévu pour une zone de jonction de deux portions de coques adjacentes d'un boîtier d'un appareil électrique modulaire.

Publication

EP 2575156 B1 20170426 (FR)

Application

EP 11306241 A 20110929

Priority

EP 11306241 A 20110929

Abstract (en)

[origin: EP2575156A1] The device comprises shell portions (3, 4) forming a plane face of a housing comprising a window affording an access to a connection device for connection of an external conductor with a view to clamp against a conducting terminal linked to a functional block of a modular electrical apparatus. The terminal comprises a span. The lugs are inserted into the recesses so that surfaces of the lugs and of the recesses are in contact position, and the shell portions are edge to edge to constitute the plane face and oppose separation of the shell portions in an inserted position. The device comprises shell portions (3, 4) forming a plane face of a housing comprising a window affording an access to a connection device for connection of an external conductor with a view to clamp against a conducting terminal linked to a functional block of a modular electrical apparatus. The terminal comprises a span stretching parallel to and in a vicinity of the plane face for connection and comprising recesses for receiving lugs protruding from the shell portions to an interior of the housing. The lugs are inserted into the recesses so that surfaces of the lugs and of the recesses are present in contact position, and the shell portions are edge to edge to constitute the plane face and oppose separation of the shell portions in an inserted position. The two lugs of the two shell portions cooperate with an opening of the terminal. Each lug comprises a hemicylindrical face directed towards a side of the opening of the terminal, where the opening is circular. The terminal is U-shaped with a base (12) parallel to the face of the shell portions. An upper leg (13) is connected with a building block, and a lower leg (14) comprises a guidance opening of a screw of the connection device. The lugs are localized in a vicinity of the side of the shell portions, and are symmetrical compared to a longitudinal symmetry plane of a case and molded with a part of the shell portions.

IPC 8 full level

H01H 71/08 (2006.01); **H01H 71/02** (2006.01); **H01R 9/24** (2006.01); **H01R 13/508** (2006.01)

CPC (source: EP)

H01H 71/0214 (2013.01); **H01H 71/0257** (2013.01); **H01H 71/08** (2013.01); **H01R 13/508** (2013.01); **H01H 2071/0242** (2013.01); **H01R 9/2408** (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2575156 A1 20130403; **EP 2575156 B1 20170426**; AU 2012314168 A1 20140508; AU 2012314168 A8 20140515; AU 2012314168 B2 20151217; CN 103975408 A 20140806; CN 103975408 B 20170308; WO 2013045851 A1 20130404

DOCDB simple family (application)

EP 11306241 A 20110929; AU 2012314168 A 20120927; CN 201280058925 A 20120927; FR 2012052192 W 20120927