

Title (en)

Electric power distribution box feeding the circuits of an electrical appliance

Title (de)

Elektrischer Stromverteilungsblock für die Versorgung der Schaltkreise eines Elektrogerätes

Title (fr)

Boîte de distribution électrique pour l'alimentation des circuits d'un appareil électrique

Publication

EP 2365587 A1 20110914 (EN)

Application

EP 11151006 A 20110114

Priority

IT VA20100002 U 20100115

Abstract (en)

The classic abutment means of the conductors of the flexible connection cable to the electric mains are substituted by a standard IEC plug integrated on a planar face of the power distribution block, the perimeter of which is eventually extended to constitute a flange-plate around the triplet of conductors of the plug. A collar, integral with the body of the block and of the flange-plate crossed by conductors of the standard IEC plug, with a size suitable for accommodating at least part of a standard IEC angular socket connected with the conductors of the integrated IEC plug, protrudes from the planar surface of the flange-plate. The lower part of the collar has a half-circular cut through which the flexible isolated connection cable to the electric mains passes. A box-like cover, having a similar half-circular cut in the lower side, is forcibly engaged on the collar thus locking as a guillotine the cable passing through the half-circular cuts until a stable union of the two bodies is established. The two parts, permanently unified and thus non separable without using a hand tool, enclose in a splash and drip proof box the connection between the fixed (integrated) IEC plug and the detachable IES socket of the connection cable to an electric socket of the mains.

IPC 8 full level

H01R 9/24 (2006.01); **H01R 13/652** (2006.01); **H01R 24/00** (2011.01); **H01R 24/78** (2011.01); **H01R 103/00** (2006.01)

CPC (source: EP)

H01R 9/2491 (2013.01); **H01R 13/6395** (2013.01); **H01R 13/652** (2013.01); **H01R 24/78** (2013.01); **H01R 2103/00** (2013.01)

Citation (search report)

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Cited by

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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

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BA ME

DOCDB simple family (publication)

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