

Title (en)
Electrical connectors.

Title (de)
Elektrische Verbinder.

Title (fr)
Perfectionnements aux connecteurs électriques.

Publication
EP 0207842 A1 19870107 (FR)

Application
EP 86401314 A 19860617

Priority
FR 8510219 A 19850704

Abstract (en)
[origin: ES295332U] An electrical connector including a first box element and a second box element, each box element receiving an electrical contact and the other box element when one of the box elements is inverted head-to-tail upside down with respect to the other box element. Each element includes male and female portions. The male portion includes a locking lug having an elastic portion and a stiff rounded portion. The female portion includes a joggle. The joggle of each element is adapted to engage the locking lug of the other element during assembly of the first and second elements along an insertion axis. When this occurs the joggle will climb up the stiff rounded portion of the locking lug thereby displacing the first and second elements in opposite directions perpendicular to the insertion axis. Further displacement along the insertion axis displaces the joggle into contact with the elastic portion which bends, so as to displace the two elements closer to each other perpendicular to the insertion axis. The initial displacement perpendicular to the insertion axis of the first and second elements away from each other ensures that the electrical contacts in each box element are initially separated from each other so that there is no damage to these elements. These two electrical contacts are then brought together for engagement with each other to form an electrical connection when the first and second elements are displaced toward each other as the joggle contacts the elastic portion of the locking lug.

Abstract (fr)
Electricité. Connecteurs électriques avec un premier élément de boîtier et, un second élément de boîtier destiné à être assemblé avec le premier élément par engagement dans celui-ci, ces éléments contenant des organes de contacts complémentaires, caractérisés en ce que lesdits éléments de boîtier comportent des moyens (39-40, 35-27) pour assurer un déplacement de l'un par rapport à l'autre dans des directions divergentes sensiblement perpendiculaires à l'axe d'engagement de l'un dans l'autre des moyens pour ramener les deux éléments de boîtier (1-2) dans la position normale d'assemblage lorsque les organes de contacts (4) électriques des deux dits éléments de boîtier (1-2) sont rapprochés pour coïncider et, des moyens (38,39) pour guider dans cette position normale d'assemblage l'un par rapport à l'autre lesdits deux éléments (1-2) de boîtier jusqu'à leur verrouillage.

IPC 1-7
H01R 23/27

IPC 8 full level
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CPC (source: EP US)
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