

Title (en)

Multipole pluggable coupling parts for electrical conductors.

Title (de)

Mehrpole steckbare Kupplungshälfte für elektrische Leitungen.

Title (fr)

Éléments de couplage enfichables multipolaires pour conducteurs électriques.

Publication

EP 0509321 B1 19950809 (DE)

Application

EP 92105638 A 19920402

Priority

DE 4112201 A 19910413

Abstract (en)

[origin: EP0509321A2] In a multipole coupling half, the actual housing serves indirectly, via a thrust piece, for holding contact elements which have their contact points in the head and their electrical and mechanical connecting points for a lead in the foot. The thrust piece has holders for the latching retention of the contact elements and is initially moved into a pre-latching position in the housing, in which the individual contact elements can be inserted via perforations in the housing into the holders of the thrust piece. The thrust piece can then also be displaced into a final locking position, where the perforations are offset with respect to the holders and lock the contact elements. In order also to be able to install in this way contact elements which have no latching tongues, it is proposed to provide on the wall regions between the perforations in the housing fingers having locking ends which project into the interior of the housing. Accordingly, the thrust piece has channels which point in its thrust direction and into which the fingers can move. In consequence, the locking plane is placed in a higher region in the centre of the thrust piece, where the contact elements which have no latching tongues have two undercut shoulders. In the final locking position, the thrust piece moves the one locking shoulder of the contact element over the one locking end of the finger allocated to it. In the previous pre-latching position, the other latching shoulder of the contact element is already interacting with a laterally sprung lug which is a component of the thrust piece and projects into the holder, narrowing it. When the contact element is inserted, the lug springs away laterally. <IMAGE>

IPC 1-7

H01R 13/422

IPC 8 full level

H01R 13/422 (2006.01); **H01R 13/436** (2006.01)

CPC (source: EP)

H01R 13/4223 (2013.01); **H01R 13/4361** (2013.01)

Designated contracting state (EPC)

AT BE DE ES FR GB IT SE

DOCDB simple family (publication)

EP 0509321 A2 19921021; **EP 0509321 A3 19930728**; **EP 0509321 B1 19950809**; AT E126401 T1 19950815; DE 59203167 D1 19950914; ES 2077903 T3 19951201

DOCDB simple family (application)

EP 92105638 A 19920402; AT 92105638 T 19920402; DE 59203167 T 19920402; ES 92105638 T 19920402