

Title (en)
ELECTRICAL CONNECTOR SYSTEM

Title (de)
ELEKTRISCHES STECKVERBINDERSYSTEM

Title (fr)
SYSTÈME DE CONNECTEUR ÉLECTRIQUE

Publication
EP 3367513 B1 20211103 (EN)

Application
EP 18159012 A 20180227

Priority
IT 201700022191 A 20170228

Abstract (en)
[origin: EP3367513A1] The invention describes an electrical connector system comprising at least a first connector device and at least a second connector device slidably couplable to the first connector device, in a "male-female" configuration, along a predetermined coupling/uncoupling direction. Each connector device comprises a casing of insulating material and one or more connection elements of conductive material, arranged for an electrical connection. Each connection element of the first connector device is a female connection element and each connection element of the second connector device is a male connection element. Each female connection element is provided with a plurality of elastically deformable lamellar contacts (18), formed in a single piece with a base portion (20). Each lamellar contact (18) is provided with a respective curved contact portion (22A) configured to elastically adhere against the surface of a male connection element. Each female connection element is provided with four opposite lamellar contacts (18), equally spaced apart by twos, wherein each curved contact portion (22A) has a cylindrically shaped surface with generatrix straight lines parallel to the coupling/uncoupling direction.

IPC 8 full level
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