

Title (en)

Two-part electrical connector with camming system

Title (de)

Zweigeteilter elektrischer Steckverbinder mit Nockensystem

Title (fr)

Connecteur électrique en deux parties avec un système de came

Publication

**EP 1306932 B1 20041208 (EN)**

Application

**EP 02079180 A 20021009**

Priority

GB 0125853 A 20011029

Abstract (en)

[origin: EP1306932A1] A two-part electrical connector comprising a first part (112) and a second part (114) which can be mated together in an axial direction; the first part including a fixed tubular housing (126) securable to a panel (118); a terminal housing (116) retained in the fixed housing and extendable in the axial direction through an aperture (124) in the panel, the terminal housing having an outer end (134) for mating with the second part, a number of outwardly directed radially extending tabs (120) positioned adjacent the outer end on opposed sides of the terminal housing; and a number of electrical terminals (138) secured in the terminal housing; the second part including a connector housing (140); a number of electrical terminals (142) secured in the connector housing and mateable with the electrical terminals of the first part; a pair of channels (144) formed in the connector housing on opposed sides thereof extending in a direction substantially perpendicular to the axial direction; a slide member (122) positioned in each channel and slidable in the channel relative to the connector housing, each slide member having an angled groove (146) formed therein for receiving one of the tabs of the terminal housing of the first part, whereby movement of the slide members relative to the connector housing of the second part causing the second part to mate with, or unmate from, the first part; wherein the terminal housing (116) of the first part (112) is movable in the axial direction relative to the fixed housing (126); wherein biasing means (132) biases the terminal housing into the fixed housing; and wherein, on mating, the terminal housing moves relative to the fixed housing against the biasing force of the biasing means. The electrical connector is for use where space (height) restrictions are an issue. <IMAGE>

IPC 1-7

**H01R 13/629**

IPC 8 full level

**H01R 13/623** (2006.01); **H01R 13/629** (2006.01); **H01R 13/635** (2006.01); **H01R 13/74** (2006.01)

CPC (source: EP)

**H01R 13/623** (2013.01); **H01R 13/62905** (2013.01); **H01R 13/635** (2013.01); **H01R 13/74** (2013.01)

Cited by

WO2011003536A1

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

**EP 1306932 A1 20030502**; **EP 1306932 B1 20041208**; DE 60202183 D1 20050113; DE 60202183 T2 20050414; GB 0125853 D0 20011219

DOCDB simple family (application)

**EP 02079180 A 20021009**; DE 60202183 T 20021009; GB 0125853 A 20011029