

Title (en)
Insulation displacement electrical connector for multiple inline conductors

Title (de)
Elektrischer Schneidklemmverbinder für inline-Mehrfachleiter

Title (fr)
Connecteur électrique à déplacement d'isolation pour conducteurs multiples en ligne

Publication
EP 0856912 A3 19990825 (EN)

Application
EP 98101280 A 19980126

Priority
GB 9702024 A 19970131

Abstract (en)
[origin: EP0856912A2] An electrical connector (2) comprising: a contact (6) having a mating portion (28) and a conductor engaging portion (30) that includes a plate (32) having an insulation displacement contact (IDC) slot (34) therein for engaging a transversely oriented conductor (8,10) when forced therein; a connector body (4) having a mating end (14) and a conductor engaging end (16) with a contact receiving passageway (18) extending therebetween that includes a cover receiving pocket (20) towards the conductor engaging end (16), and an access slot (22) extends into the body (4) from the conductor engaging end (16) thereby providing transverse access to the passageway (18), where the contact (6) is located in the passageway (18) with the IDC slot (34) corresponding to the access slot (22) such that the conductor (8,10) is insertable into the IDC slot (34) from the conductor engaging end (16); and, a cover (12) is receivable in the cover receiving pocket (20) upon insertion of the conductor (8,10); the connector (2) being characterized in that : the IDC slot (34) is adapted to have two in-line first and second contact sections (36,38) therealong and the connector body (4) includes a frangible beam (24) extending across the access slot (22) at a location corresponding to a position between the first and second contact sections (36,38) where said beam (24) is breakable to provide access to the second contact section (38). <IMAGE>

IPC 1-7
H01R 4/24

IPC 8 full level
H01R 4/24 (2006.01)

CPC (source: EP)
H01R 4/2462 (2013.01); **H01R 4/2433** (2013.01)

Citation (search report)
• [YA] EP 0519534 A1 19921223 - GEN MOTORS CORP [US]
• [YDA] WO 9531014 A1 19951116 - WHITAKER CORP [US], et al

Cited by
EP3758163A1; US11205862B2; WO2009094081A1; WO2020260208A1

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