

Title (en)
Connecting terminal

Title (de)
Anschlussklemme

Title (fr)
Terminal de connexion

Publication
EP 2738879 A1 20140604 (EN)

Application
EP 13003677 A 20130723

Priority

- EP 12008058 A 20121130
- EP 13003677 A 20130723

Abstract (en)

The invention is about a connecting terminal (3) for electrical conductors, having a contact element (40) substantially in the form of a U-profile, provided for the purpose of electrically contacting the conductor, having a substantially U-shaped clamping spring (41), in the form of a leaf spring, which keeps the conductor in electrical and mechanical connection with the contact element (40), and having an insulating housing (4) which accommodates the contact element (40) and the clamping spring (41), said housing (4) having an insertion side (60), a mounting side (61), a top side (62), a bottom side (63), and at the insertion side (60) at least one insertion opening (42) for the conductor, said contact element (40) having a first profile section (43) possessing substantially a L-shape with a first and a second limb (46, 47) and with a plug-in opening (44) which is aligned with respect to the insertion opening (42), and with a second, substantially flat profile section (45), whereby the clamping spring (41) has a support limb (48) being connected to the second profile section (45) of the contact element (40), and a clamping limb (49) which is configured to be positioned with its free end against a conductor inserted into the plug-in opening (44) to press it against the first limb (46) of the contact element (40) and to be pushed towards the support limb (48) for releasing the conductor from the first limb (46), whereby the clamping spring (41) is accommodated within the U-profile of the contact element (40), that the U-shape of the clamping spring (41) opens towards the mounting side of the housing (4), and that an arrester bar (51) extends from the inner wall of the mounting side (61) into the open space between the support limb (48) and the clamping limb (49) of the clamping spring (41) to serve as a dead stop for the bending movement of the clamping limb (49) when releasing the conductor from the first limb (46).

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Citation (applicant)
EP 1217692 B1 20050914 - HAGER ELECTRO GMBH [DE]

Citation (search report)

- [Y] DE 7613119 U1 19760826
- [Y] DE 29818669 U1 19990204 - WAGO VERWALTUNGS GMBH [DE]
- [A] US 6315597 B1 20011113 - COYNE JAMES CHRISTOPHER [US], et al
- [A] DE 102005048972 A1 20070419 - PHOENIX CONTACT GMBH & CO [DE]

Designated contracting state (EPC)
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Designated extension state (EPC)
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EP 2738879 A1 20140604; **EP 2738879 B1 20190703**; PL 2738879 T3 20200228; RU 2013153260 A 20150610; RU 2628754 C2 20170822

DOCDB simple family (application)
EP 13003677 A 20130723; PL 13003677 T 20130723; RU 2013153260 A 20131129