

Title (en)
TERMINAL BLOCK

Title (de)
REIHENKLEMMENBLOCK

Title (fr)
BORNIER À BLOCS DE JONCTION

Publication
EP 3132502 B1 20210519 (DE)

Application
EP 15712603 A 20150325

Priority
• DE 102014105316 A 20140414
• EP 2015056323 W 20150325

Abstract (en)
[origin: WO2015158505A1] Terminal block comprising at least two or more modular terminals (2a, 2b,...; 102a, 102b,...) arranged next to one another in a row, which terminal block can be positioned on a mounting base, in particular a mounting rail, and having the following features: the modular terminals (2a,...; 102a,...) each have substantially disk-like housings (3, 103) comprising two main sides (3a, 3b), two narrow sides (3d, 3e), an upper side (3c) and a lower side; at least one of the modular terminals (2a, 102a) is configured as a feed-in terminal (2a, 102a) and, for this purpose, has at least one or two first conductor connection apparatuses (7, 8) for connecting external conductors for feeding in each case one or both potentials Plus and Minus, and the one or more other of the modular terminals are in the form of distribution board terminals (2b,..., 102b,...) for distributing the potential(s), for which purpose said one or more other of the modular terminals have at least one or more second conductor connection apparatuses (7, 8) for connecting external conductors for distributing the potential Plus or Minus to consumers, wherein the potential distribution is performed beyond the plurality of modular terminals of the terminal block by means of one or more associated cross-links, in particular cross connection link combs (12), which are plugged into one or more associated cross connection link channels (11), wherein all of the modular terminals of the terminal block have the same dimensions in the two directions perpendicular to the direction of modular arrangement (x), the first conductor connection apparatuses of the feed terminal for feeding the potential(s) to be fed are configured for connecting conductors of a first cross section, and the second conductor connection apparatuses (7, 8) of the distribution board terminals for connecting the consumers are configured for connecting conductors having a smaller cross section than the conductors to be connected to the first conductor connection apparatuses.

IPC 8 full level
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Citation (examination)
EP 0712267 A2 19960515 - WEIDMUELLER INTERFACE [DE]

Citation (opposition)
Opponent : PHOENIX CONTACT GmbH & Co. KG.
• EP 0222030 B1 19890621
• DE 29719177 U1 19971204 - WEIDMUELLER INTERFACE [DE]
• EP 0712267 A2 19960515 - WEIDMUELLER INTERFACE [DE]
• WO 2012018371 A1 20120209 - OMEGA ENGINEERING [US], et al
• DE 4438800 C1 19960118 - WEIDMUELLER INTERFACE [DE]
• FR 2723265 A1 19960202 - CAB SA [FR]
• FR 2803441 A1 20010706 - ENTRELEC SA [FR]
• FR 2901418 A1 20071123 - LEGRAND FRANCE [FR], et al
• DE 102010015449 A1 20110519 - WEIDMUELLER INTERFACE [DE]
• EP 1434308 A1 20040630 - WEIDMUELLER INTERFACE [DE]
• DE 202012103309 U1 20131202 - WEIDMUELLER INTERFACE [DE]
• ANONYM: "Reihenklemmen Katalog 2013/2014. Auszug", PHOENIX CONTACT KATALOG, 1 January 2013 (2013-01-01), pages 1 - 23, XP055896552
• ANONYM: "Highlights 2013. Innovationen für Ihren Erfolg. Auszug", PHOENIX CONTACT KATALOG, 1 January 2013 (2013-01-01), pages 1 - 6, XP055896555

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