

Title (en)
TERMINAL BLOCK WITH LATERAL ELASTIC HANDLES

Title (de)
KLEMMLEISTE MIT SEITLICHEN ELASTISCHEN GRIFFEN

Title (fr)
BLOC TERMINAL À MANCHES ÉLASTIQUES LATÉRAUX

Publication
EP 3657605 A1 20200527 (EN)

Application
EP 18207842 A 20181122

Priority
EP 18207842 A 20181122

Abstract (en)
A terminal block has an insertion opening (101) and an exit opening (102) disposed at opposite sides of the insulation base (10). A side opening (103) is located at an outer surface of the insulation base (10) between the insertion opening (101) and the exit opening (102). A conducting terminal structure (20) includes a first conductive sheet (21) and a second conductive sheet (22) connected to the first conductive sheet (21). The first conductive sheet (21) is extended with a stopping plate (211). A spring plate (30) includes an abutting section (31) abutted against the stopping plate (211) elastically. An elastic handle includes a clamping portion (41) and a resilience arm (42). The resilience arm (42) is fixed to the insulation base (10), and the clamping portion (41) presses the abutting section (31). Thereby, the height of the terminal block can be reduced for saving space and cost.

IPC 8 full level
H01R 4/48 (2006.01); **H01R 13/11** (2006.01)

CPC (source: EP)
H01R 4/48365 (2023.08); **H01R 4/48455** (2023.08); **H01R 13/112** (2013.01); **H01R 9/2491** (2013.01)

Citation (search report)
• [XYI] US 9397444 B1 20160719 - WU SHANG-TSAI [TW]
• [YA] US 9466897 B1 20161011 - WU SHANG-TSAI [TW]
• [A] DE 3743410 A1 19890629 - ELECTRO TERMINAL GMBH [AT]
• [A] EP 1094551 A1 20010425 - ELECTRO TERMINAL GMBH [AT]
• [A] DE 19949387 A1 20010531 - ELECTRO TERMINAL GMBH [AT], et al

Cited by
CN111740264A; EP4191796A1; FR3130081A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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